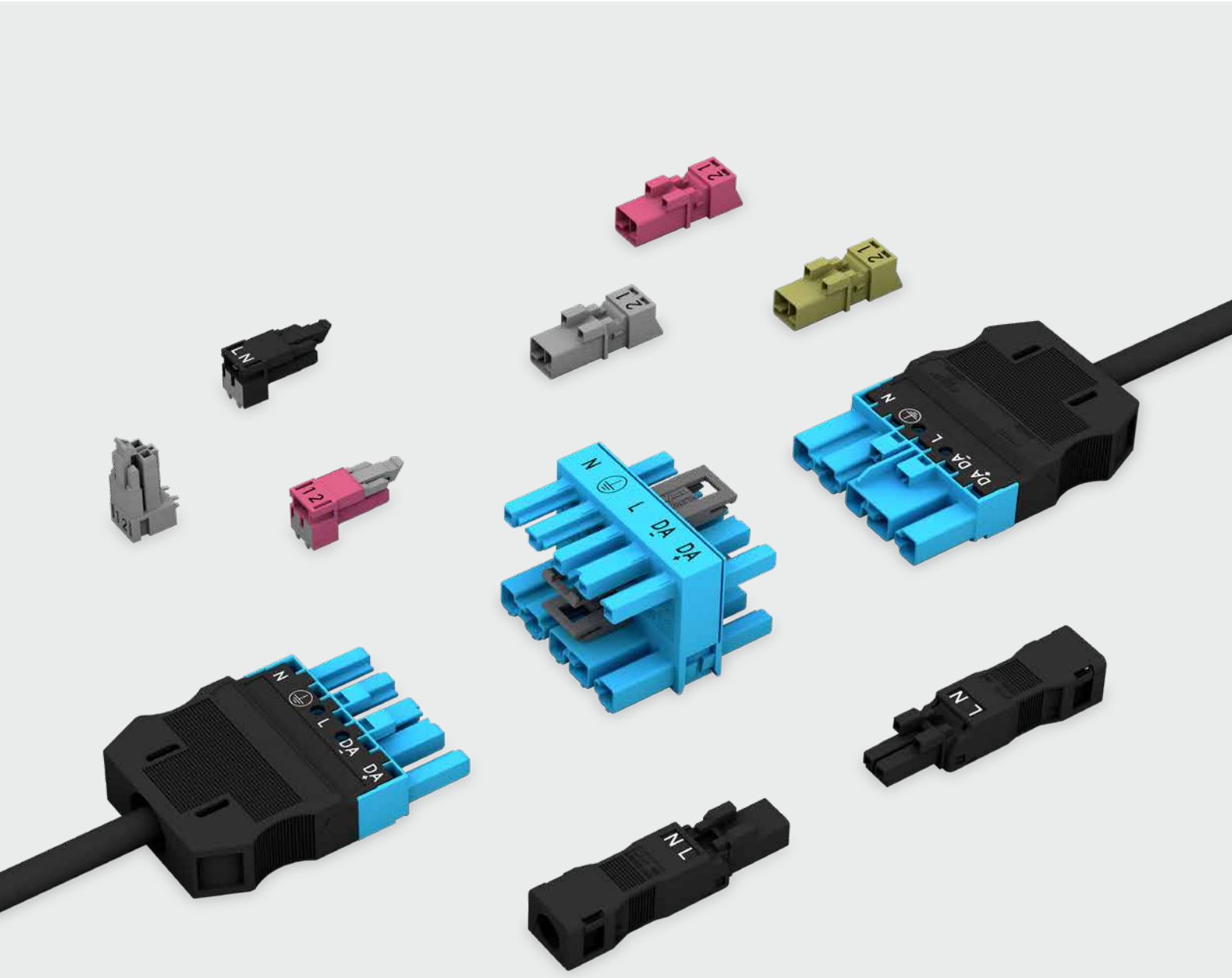
# WAGO Pluggable Connection System *WINSTA*®

Edition 2023/2024



# WAGO Full Line Catalogs




## WAGO Rail-Mount Terminal Blocks and Connectors

- Rail-Mount Terminal Blocks
- Rail-Mount Terminal Blocks with Pluggable Connector (X-COM®-SYSTEM)
- Patchboard Systems
- Terminal Strips
- PUSH WIRE® Connectors for Junction Boxes
- Lighting Connectors
- Shield Connecting System




## WAGO PCB Terminal Blocks and Connectors

- PCB Terminal Blocks
- THR/SMD PCB Terminal Blocks
- *MULTI CONNECTION SYSTEM (MCS)*
- Pluggable PCB Terminal Blocks
- Feedthrough Terminal Blocks
- Specialty Connectors
- Empty Housings




## WAGO Pluggable Connection System *WINSTA*®

- Pluggable Connectors
- Snap-In Device Connectors
- Pluggable PCB Connectors
- Distribution Connectors
- Cable Assemblies
- Flat Cable Systems
- Distribution Boxes




## WAGO Automation Technology

- Solutions & Software
- Operating & Monitoring
- Controllers, Edge Devices
- Modular I/O-SYSTEM IP20, I/O-SYSTEM IP67
- Industrial Switches
- Radio Technology
- IP67 Sensor/Actuator Boxes, IP67 Cables and Connectors




## WAGO Interface Electronics

- Relay and Optocoupler Modules
- Signal Conditioners and Isolation Amplifiers
- Current and Energy Measurement Technology
- Power Supplies
- Interface Modules and System Wiring
- Overvoltage Protection
- Empty Housings




## WAGO Power Supplies

- Power Supplies
- DC/DC Converters
- Circuit Protection
- UPS-Charger and Capacitive Buffer Modules
- Redundancy Moduls
- Current and Energy Measurement Technology
- Overvoltage Protection




## WAGO Marking

- Printer
- Software
- Terminal Block Marking
- Cable and Conductor Marking
- Device Marking
- Marker Carriers

# WAGO Pluggable Connection System *WINSTA*®


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|  | **WAGO Pluggable Connection System *WINSTA*® MIDI**<br>770/771 Series; 2- to 7-Pole<br>Linect® T-connectors, pluggable connectors, snap-in device connectors, pluggable PCB connectors, distribution connectors, cable assemblies | **4 mm²; 25 A**<br>linect | 119 |
|  | **WAGO Pluggable Connection System *WINSTA*® MAXI**<br>831 Series; 5-Pole<br>Pluggable connectors | **6 mm²; 35 A** | 275 |
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# *WINSTA*® – A Complete Series Perfects the System

## The *WINSTA*® Pluggable Connection System

is the electrical interface that links power supply and distribution to electrical loads (e.g., lights) and encompasses data processing (bus lines in building automation).

***WINSTA*® MINI**





***WINSTA*® MIDI**





***WINSTA*® MIDI Linect®**





***WINSTA*® MAXI**











***WINSTA*® RD**






***WINSTA*® KNX**





***WINSTA*® IDC**



## Comprehensive WAGO Project Support:

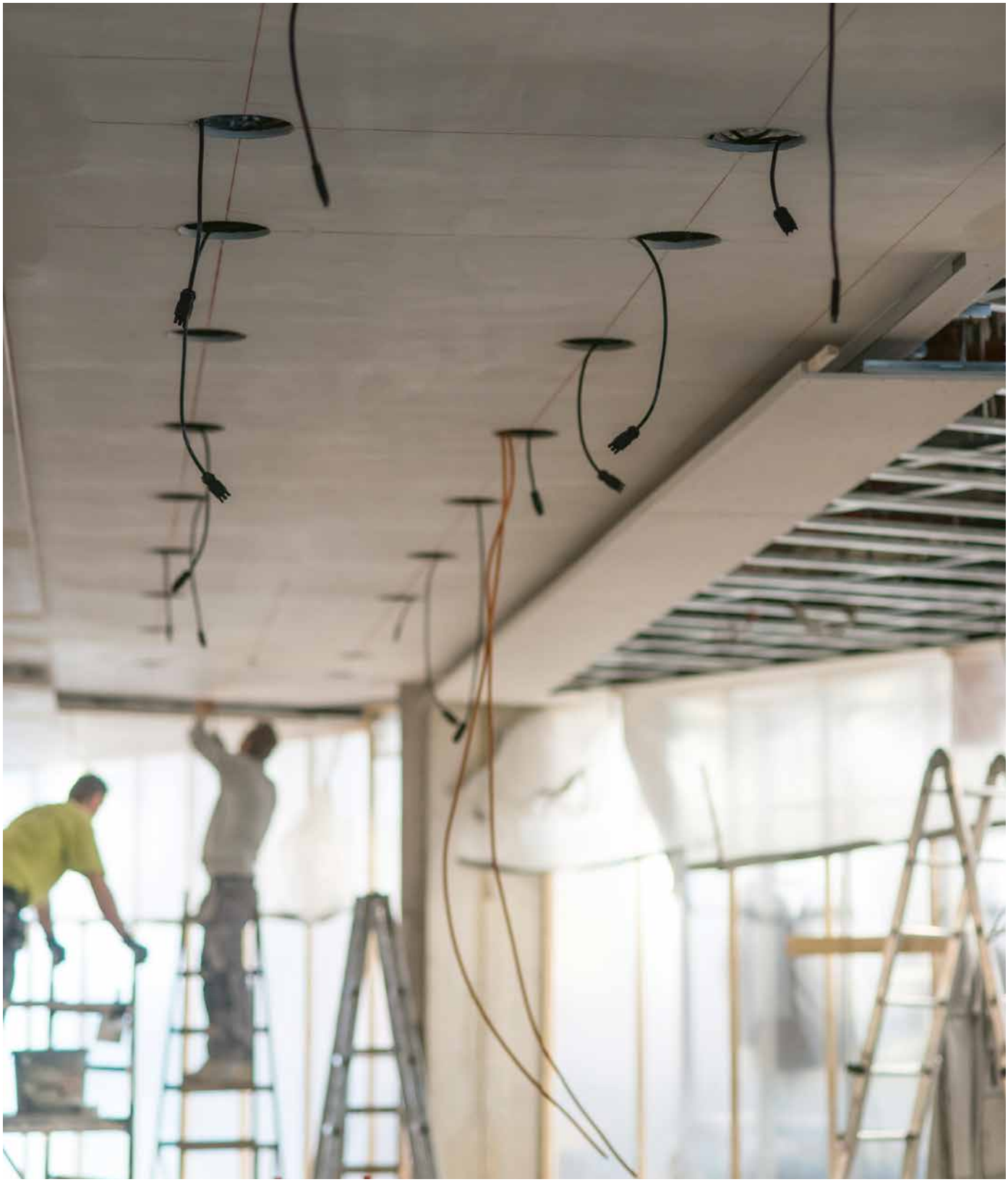
**WAGO offers consulting and project planning services to help devise the best possible solution for your project. Our experienced team of professionals will gladly help you implement your project with our products.**

**www.wago.com/winsta**

# *WINSTA*® – The Pluggable Connection System

## Plug into Power!

Even though the life cycle of a building stresses longevity, construction times are ever shorter and, particularly for functional buildings, operations are often subjected to continual reconstruction and relocation. ´ Conditions within the construction industry show similar dynamic change: Overall construction volume is rising, so the order books are nicely filled. Yet at the same time, that industry struggles with a shortage of qualified workers. The ***WINSTA***® Pluggable Connection System is the answer because speed, flexibility and expandability are becoming increasingly more important as integral keys to the long-term viability of buildings.



## Planning

- End-to-end, application-oriented solutions from supply to load
- Integration of bus systems like DALI, SMI or KNX possible
- Decentralize energy distribution by integrating individually manufactured ***WINSTA***® and system distribution boxes
- International approvals, along with our numerous successfully concluded building projects and references from the shipbuilding, transport and machinery/plant engineering areas, confirm high product quality.



## Setup/Installation

- Evident time savings for the installer on the construction site thanks to Plug & Play connections.
- Pre-assembled cables and distribution components mean distribution connectors are easily inserted, so there is no more laborious wiring in junction boxes.
- Mechanical coding and color identification enable clear assignment to the power circuit for secure protection against mismating – especially when used with the optional individual printing.



## Utilization

- Simple, swift change for newly planned room divisions or extensions
- Numerous system partners bring future security
- Locking latches for solid, secure component connections



## Maintenance

- The ***WINSTA***® Pluggable Connection System is based on maintenance-free spring pressure connection technology.
- ***WINSTA***® **MIDI** features thoughtfully designed test ports that enable testing when plugged in.
- Color coding, e.g., for plugs or distribution connectors, enables fast power circuit identification.



## Conversion/Modernization

- The electrical installation can be flexibly reconfigured or extended, adapting readily to individual requirements.
- Energy-efficient, sustainable products for room automation, for example, can be integrated into a ***WINSTA***® installation for renovations or other conversions.
- Minimized downtimes for maintenance processes (e.g., for exchanging lights).

# Perfectly Plugged Applications

***WINSTA*® Building Applications**

Every family within the ***WINSTA*®** system features an extremely broad product portfolio to meet the power supply and signal transmission requirements of modern buildings. Individual components including plugs, sockets, distribution connectors, cable assemblies and boxes with pluggable outputs provide all you need for fast and easy electrical installations.

Additionally, the ***WINSTA*®** MINI and MIDI families with coding B offer various mechanical and optical coding options for clearly identifying different circuits, while allowing bus signals to be distributed via pluggable connections.





**Raised-Floor Box**

- IDC flat cables provide power supplies to raised-floor boxes.
- For each type of supply, a flat cable line is installed in the raised floor and fed via supply modules.
- Tap-off is performed via a cable assembly that is protected against mismating.
- Floor boxes come with integrated snap-in connectors.

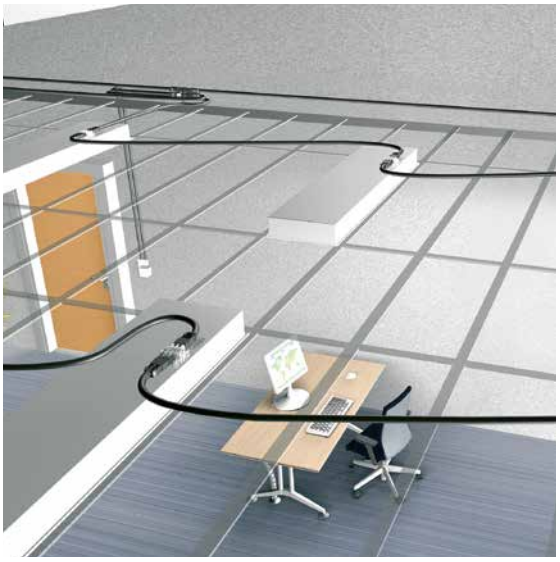
**Cable Duct**

- Power supply distribution to a 230 V mains is performed using a pre-assembled ***WINSTA*®** Distribution Box.
- Power outputs are plugged into trunking outlets via pre-assembled interconnecting cables with integrated ***WINSTA*®** Plugs and Sockets.



iStock.com/Johnny Greig





**Sunblind Control**

- A connecting cable supplies the ***WINSTA***® Distribution Box for sunblind control.
- The sunblinds can also be operated via switches, as a user may expect.
- The distribution box connectors are protected against mismating.
- The application is pre-assembled to save installation time and expedite system expansion.

**Lighting**

- The ceiling lights are connected to the distribution box via Linect® T-Connectors and ***WINSTA***® Cable Assemblies.
- The circuit is flexible, quick to set up and can readily adapt to new requirements using the pluggable connection system.
- Linect® lights can be installed and removed just as quickly.

# Perfectly Plugged Applications

## *WINSTA*® Applications in Other Industries

**Ships**
Pluggable connection of smoke detectors, balcony door contacts, speakers and lights expedite electrical installation.



@gilles lougassi/Fotolia.com

**RVs**
Electric power and lighting for the interior – benefit from fast, safe and faultless installation.



@06photo/Fotolia.com

**Trains**
Plug & Play components support on-schedule completion and quick component replacement using pluggable outlets, displays, internal circuits, door contacts, speakers and lighting.



iStock.com/ fallbrook



iStock.com/kirza

**Elevators**
Simplified installation and maintenance thanks to pluggable connections for electric power and lighting in the compartments



@Photocreo Bednarek/Fotolia.com

**Shops and Trade Shows**
Flexible installation that optimally provides electricity and lighting to temporary structures, or those that are frequently modified





@maho/Fotolia.com




## Device Connection at Home

**Ignition fans for pellet heating, connection of room control devices, electrical and lighting installation for integrated room systems**

Devices and systems in homes and other private buildings have to be started and disconnected quickly and easily. This can be done at any time via touch-proof ***WINSTA***® Pluggable Connectors.

iStock.com/06photo

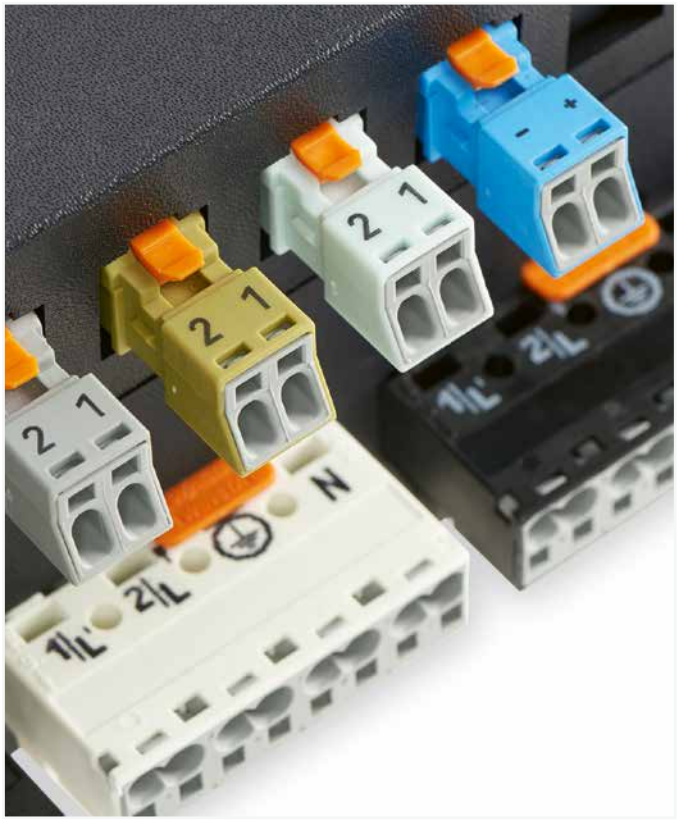
# Perfectly Plugged Applications

***WINSTA*® Applications in Other Industries**

**Retail Centers**
Within electrical and lighting installations in consumer electronics stores, home improvement centers, supermarkets and other high-traffic environments, pluggable electrical installation is the gold standard.



@Photocreo Bednarek/Fotolia.com




## Device Connection for Industrial Applications

**Control systems, single-room controllers, presence detectors, empty bottle return machines and more**

Manufacturers of industrial devices and systems are faced with a number of challenges. ***WINSTA*®** snap-in device connection permits fast, safe and error-free commissioning.

# Customer Applications







**Lanfer Automation**
The company completely renovated its headquarters, targeting greater energy efficiency through innovative automation technology. The installation yielded additional benefits, because using the bus technology meant no multiple lines had to be laid. As an additional benefit, ***WINSTA***® simplified the connections between systems and devices



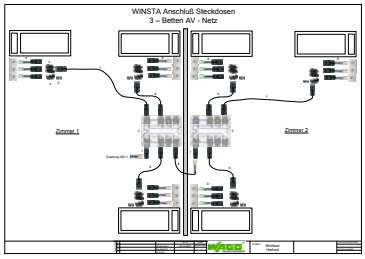




**Zinser Fashion House**
The Zinser Fashion House was completely modernized in a very short time, without interrupting operations. Instead of individually wiring 2000 lights per floor, only 30 to 35 ***WINSTA***® **Boxes** had to be wired in each story, leaving only the lights to be plugged in.

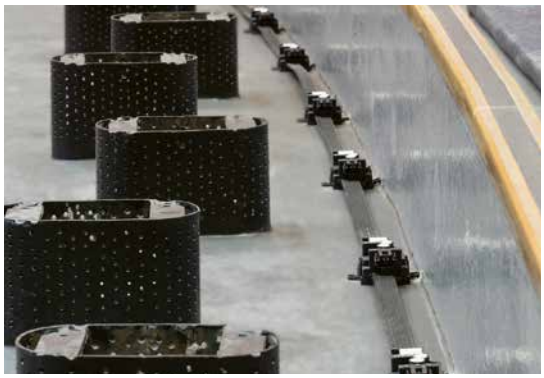





**Herford Hospital**
The clinic decided to use ***WINSTA***® for the electrical wiring of the new, one- and two-bed patient rooms. For the installation of sockets on patient beds, a concept that enabled simple pre-assembly was designed. The corridor lighting in the hospital was implemented with the pluggable connection system, resulting in 70% less effort and 30% lower costs.







**Münster Municipal Theater**
The Münster municipal theater was the first theater constructed in Germany after World War II. As part of its renovation, the illuminated seat numbering was modernized using ***WINSTA***® Pluggable Connectors. The emergency lighting was also revamped using ***WINSTA***® **MINI**. The results simply sparkle.

# *WINSTA*® – System Partners

## Pluggable, End-to-End Design and Installation

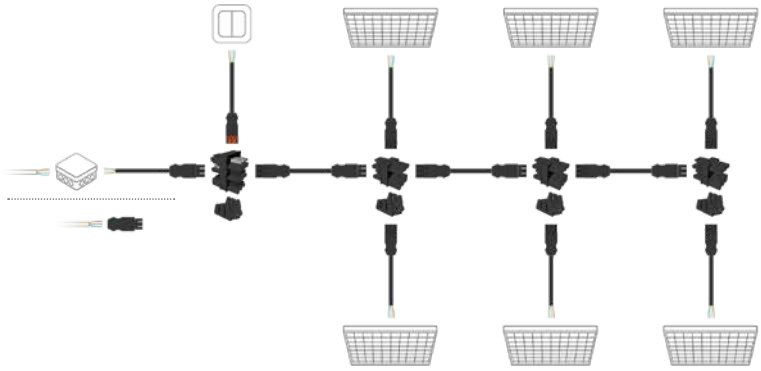
The core advantage of the ***WINSTA***® Pluggable Connection System is in the time it saves. Electrical designers save time, especially when they can quickly and neatly create complete electrical plans the installers can use to build complete electrical systems on the construction site. The job is done on time and without a hitch!

With ***WINSTA***® and the connected system partners, a coherent and consistent electrical design is seamlessly implemented and realized from supply to the "last mile"; that is, the interfaces to the fixed installation, such as lights or sockets.



- All system partners maintain catalog articles with ***WINSTA***® Pluggable Connection Technology.
- The system partner program covers all building installation interfaces, right to the end user.
- Manufacturers that carry the ***WINSTA***® system partner logo equip their complementary products with the original WAGO Connection Technology and WAGO Pluggable Connectors.

Please feel free to contact us if you would like to have further information about our local ***WINSTA***® system partners!



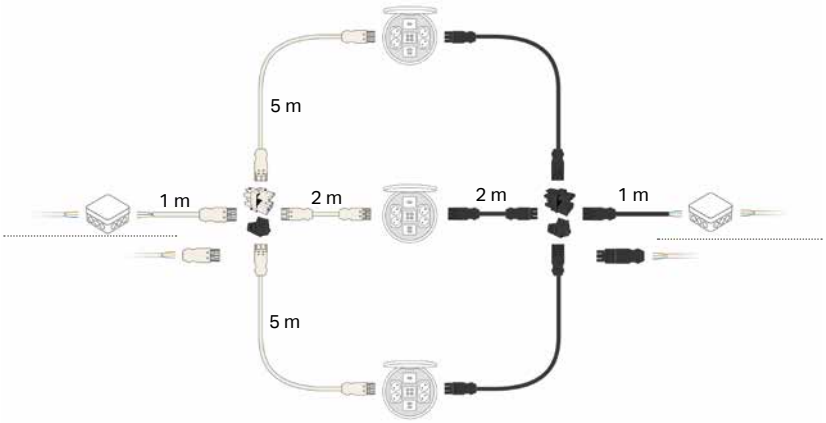
## Lighting Fixtures

- Major time savings, since the plugs are already mounted at the factory.
- Also available for LED lights



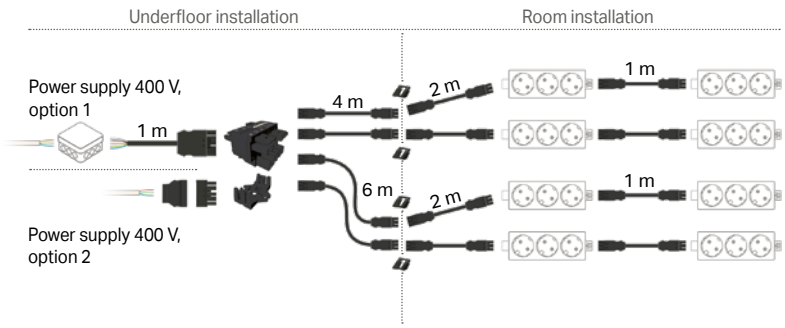
## Switches/Sockets/Cable Ducts

- As one example, with ***WINSTA®***, cable duct elements can be preassembled by the meter and installed on the construction site with just a few easy steps.




## Underfloor

- Our system partners' underfloor boxes are available with either a handy, short connecting cable or a snap-in plug.



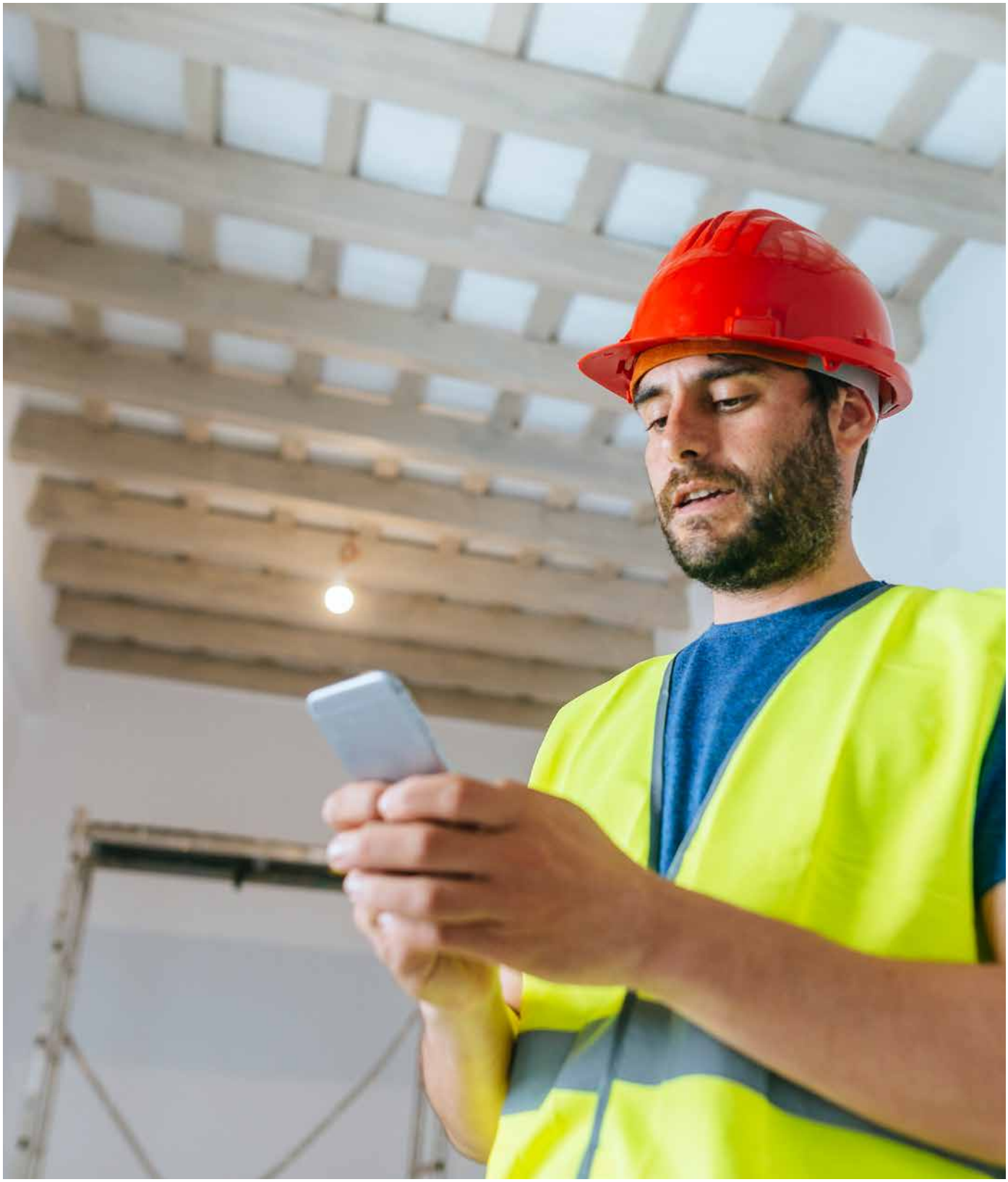

## Workstation

- Workplace installations must be flexible – with ***WINSTA®***, the ideal connections are a given.
- ***WINSTA®*** system partners offer a comprehensive range of functional, design-optimized complementary products.

# *WINSTA*® in the Context of the Construction Product Regulation (CPR)

## Background

Cables that are permanently installed in structures fall under the European CPR. They are classified into uniform fire classes according to their reaction to fire. The requirements are described in the harmonized standard hEN 50575:2014. Device connection cables that are directly connected to a load are an exception. All other cables must bear a CE conformance mark according to the CPR and a declaration of performance.



## What does this mean for the *WINSTA*® Pluggable Connection System?

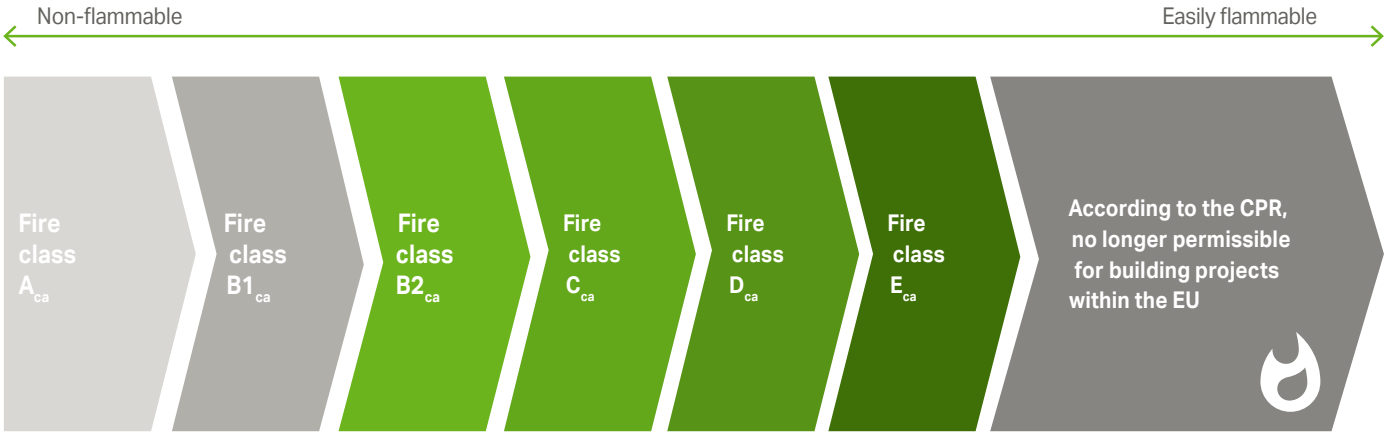
WAGO supplies cable assemblies within the ***WINSTA***® product range. These cable assemblies are construction product-compliant, as they are designed according to standards for permanent installation in buildings, but are not covered by a uniform standard under the CPR. The scope of hEN 50575 only includes raw cables, not finished cables or cable assemblies. Thus, WAGO itself cannot issue any CE marking according to the CPR or declaration of performance!

## What safety does WAGO offer in the event of fire?

The numbers from various statistics clearly show that one of the most common causes of death in fires is exposure to toxic gases and smoke. To counteract this, we have offered halogen-free cable types for the ***WINSTA***® System for some time.

## Always on the safe side – with *WINSTA*®!

The cables in the catalog range now already meet the requirements of the CPR and have been tested accordingly. Articles of higher fire classes ($B2_{ca}$ and $C_{ca}$) are available on our E-Shop.





## FAQ – Planning

### Which room installation applications can be realized with the *WINSTA*® plug-in convenience?

***WINSTA***® means versatility for the widest range of applications. With the diverse product types, it is possible to install the energy supply for lights with widely varying switching types through cable ducts or underfloor systems via floor boxes, as well as dimming and shade control via pluggable installation connectors. Integrating bus systems such as DALI for dimming functions or SMI to control shading is uncomplicated; the same applies to the necessary sensors.

### Is *WINSTA*® intended for applications in open or easily accessible areas?

Specialty products are available for this application (see page 175).

### How flexible is the *WINSTA*® System when it comes to design/installation changes?

In functional buildings, modules can be added to the ***WINSTA***® System at any time. If the intended room use changes, the installation is adapted or retrofitted quickly and error-free. With Plug & Play connection, both pre-assembled wiring and loads can be exchanged with just a few deft moves. All ***WINSTA***® products can be reused to conserve resources.

### Is the *WINSTA*® System maintenance-free?

Of course; the ***WINSTA***® Pluggable Connection System is based on maintenance-free spring pressure connection technology. Many of the components feature Push-in CAGE CLAMP® for conductor terminations; thus, for example, even solid conductors can be simply pushed into unit.




## Does WAGO recommend which coding and color to use for which application?

Due to the different applications, WAGO recommends using specific mechanical codings and colors:

| Application | Coding | Connector Color |
|---|---|---|
| General network applications | A | Black, white |
| EPD or UPS applications | P | Red |
| Controlled lighting, DALI | I | Blue |
| Emergency power applications | L | Dark gray |
| Switch function | S | Brown |
| Control or other mains applications | B | Gray |
| Controlled shading/dimming; e.g., via SMI | B | Pink |
| Low voltages | B | Light green |

## Are distribution boxes with *WINSTA*® components available?

Yes. WAGO offers a variety of distribution boxes with different functions, like DALI Bus, KNX applications, sunblind control and more – completely ready for connection with ***WINSTA***® Pluggable Connectors.

## Where can *WINSTA*® be installed?

Essentially, the provisions outlined in VDE 0100 must always be observed. Pluggable installation connectors like ***WINSTA***®, approved per IEC 61535, find use in prefabricated buildings, hollow spaces such as double floors or suspended ceilings; cable carrying, routing or ducting systems; in showrooms, separation walls and all similar applications.

## FAQ – Service

### How does WAGO support me during the design of building installation and automation?

WAGO's project service offers a very high level of support to help you through even the most complex and demanding installations. You can contact the project service by email under: info.projektplanung.de@wago.com.

### Are there planning templates to get started?

WAGO has compiled planning examples for some applications; they are presented in our planning brochure with an appropriate parts list (www.wago.com/winsta). With ***WINSTA***®, these resources provide solid orientation that can be easily adapted to the individual project requirements – especially in the start phase.

## FAQ – Installation

### Is the ***WINSTA***® Connection System truly a universal solution for building applications that allows devices with conventional field-wiring terminal blocks to be integrated into the installation?

In addition to cooperation with system partners who have access to their products via a direct ***WINSTA***® interface, the ***WINSTA***® System offers flexible and independent solutions such as connecting cables with open cable ends for pre-assembly on site. This means devices and loads can always be integrated into a ***WINSTA***® installation.

### What key advantages does ***WINSTA***® offer for wiring?

Using the ***WINSTA***® Pluggable Connection System cuts on-site connection time for installers to an absolute minimum. Thus, whenever a project calls for electrical installation, the wiring is simple, fast and on time, every time. ***WINSTA***® also offers a multitude of mechanical codings and colors to protect against mismating that virtually eliminate installation errors.

### Who is permitted to install products from the ***WINSTA***® Series on the construction site?

Only qualified electricians or appropriately instructed personnel may install pluggable installation connectors from the ***WINSTA***® Series.

### What needs to be considered for the transition from NYM cables for permanent installation to pluggable installation using flexible cables?

Flexible cables must be protected against excessive loads from tension, pressure, abrasion, twisting and kinking, particularly at device inlets and the transition point to the fixed installation. With ***WINSTA***® Connectors, the transition point from NYM to ***WINSTA***® can be defined and connected directly on site. This transition area must be correspondingly secured and protected from excessive bending stress. In addition, all terminals must be protected against shear and tensile stress.

## FAQ – Security

### How does *WINSTA*® accommodate differentiating/identifying individual power circuits?

Of course, flexible marking is part of a flexible connector system. This is why ***WINSTA***® also offers custom solutions. Components with coding B from the ***WINSTA***® MINI and ***WINSTA***® MIDI families can be variably printed, to explicitly identify the specific power circuit they are assigned to. With clever accessories, further possibilities emerge.

### Are the pluggable connectors secure and protected against accidental disconnection?

All products intended for permanent installation (e.g., distribution boxes, snap-in variants, PCB variants) are fitted with locking latches at the factory, so every plugged connection is securely locked. Locking latches can be attached to pre-assembled cables for "flying leads" at any time.

### Is *WINSTA*® suitable for outdoor installations?

The ***WINSTA***® System is approved up to protection class IP20; thus, ***WINSTA***® shall not be used for outdoor installations.

### Is the *WINSTA*® System protected against accidental contact?

All components of the ***WINSTA***® System are protected against accidental contact, providing maximum safety.

## FAQ – Regulations, Standards and Guidelines

### To which regulations must I orient myself for installations with *WINSTA*®?

***WINSTA***® is primarily approved per IEC 61535 (VDE 0606-200) – the product standard for pluggable installation connectors intended for permanent connection in mounted installations When installing ***WINSTA***® products, the DIN VDE 0100 specifications must be followed.

### Can *WINSTA*® be used in low-voltage range applications?

Compliance of ***WINSTA***® products with the low-voltage directive is verified by the CE approval.

### What must be accounted for when connecting a cable with reduced cross section to an underfloor box (e.g., via IDC tap-off module)?

The minimum cable cross section must be adapted to the connected load. More protection measures are only required if the cable with the reduced cross section is longer than 3 m; see VDE 0100 – 430.

### Can two electrical circuits (even those with different voltages) be routed in one connector/cable?

According to VDE 0100 Part 520, this is acceptable when the connector, or all of the wire insulation present in the cable line is rated for the maximum voltage applied.

### What needs to be considered for an installation requiring increased fire protection?

When using pluggable connector systems, the conduit selected has a significant impact on building protection, thus safeguarding the inhabitants and users. Cables and conduits fall under the Construction Product Regulation (CPR). Their performance in the event of fire is described by the fire class feature. In the ***WINSTA***® product range, WAGO also carries cables suited for higher fire classes ($B2_{ca}$ and $C_{ca}$) that are available in our eShop.



# WAGO Pluggable Connection System *WINSTA*® MINI

PUSH-IN CAGE CLAMP®

# WAGO Pluggable Connection System *WINSTA*® MINI ▸ 890, 891 Series
# 1.5 mm² / 16 A



**Note:**
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Compliance with the standards (IEC 61535) does not guarantee hazard-preventing, non-interchangeability with installation connector systems from various manufacturers.
- Installation connector systems are not a substitute for residential connector/socket systems.
- B-Coded components from the *WINSTA*® MINI series are designed for specialty applications (e.g., measurement, control and regulation technology) and certified per DIN EN 61984.

- *WINSTA*® MINI Connectors are not intended for installation in open or easily accessible areas.




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|---|---|
| **Pluggable Connectors, 890 Series** | |
| 2-pole | 28 |
| 3-pole | 52 |
| 4-pole | 74 |
| 5-pole | 96 |



| | |
|---|---|
| **Snap-In Device Connectors, 890 Series** | |
| 2-pole | 32 |
| 3-pole | 56 |
| 4-pole | 78 |
| 5-pole | 100 |



| | |
|---|---|
| **Pluggable PCB Connectors, 890 Series** | |
| 2-pole | 34 |
| 3-pole | 58 |
| 4-pole | 80 |
| 5-pole | 102 |



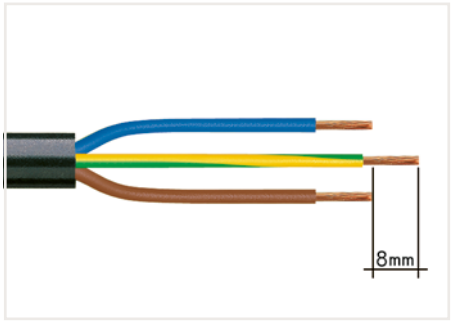
| | |
|---|---|
| **Distribution Connectors, 890 Series** | |
| 2-pole | 38 |
| 3-pole | 62 |
| 4-pole | 84 |
| 5-pole | 106 |



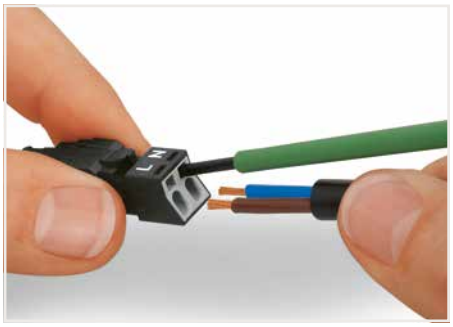
| | |
|---|---|
| **Cable Assemblies, 891 Series** | |
| 2-pole | 42 |
| 3-pole | 66 |
| 4-pole | 90 |
| 5-pole | 110 |

# *WINSTA*® MINI ▸ 890, 891 Series
## Installation





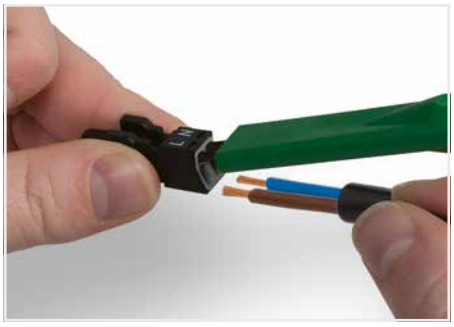

1. Strip length, outer insulation = x mm ❶
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm



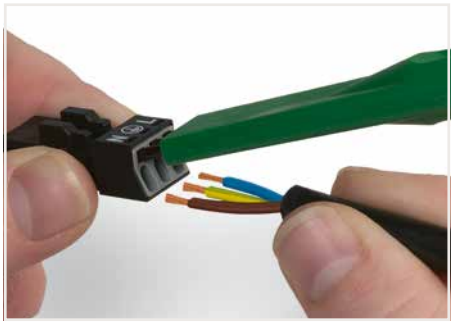
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits backstop.
Terminate solid conductors by simply pushing them in.



Latch wired connector onto the base of the strain relief housing.



To terminate fine-stranded conductors, open clamping units via operating tool (890-382) and insert stripped conductors until they hit backstop.
Terminate solid conductors by simply pushing them in.

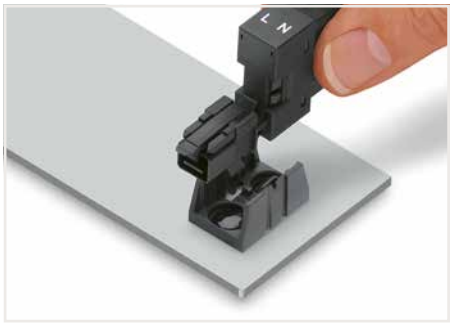


To terminate fine-stranded conductors, open clamping units via operating tool (890-383) and insert stripped conductors until they hit backstop.
Terminate solid conductors by simply pushing them in.





Secure the mounting plate via pins.



The distribution connectors snap together when attached to the mounting plate.



All connectors for mounted installations (snap-in versions, pluggable PCB connectors, distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for “flying leads” (plug/socket).

❶ Strip length, outer insulation: 2-pole = 32 mm, 3-pole = 40 mm, 4- and 5-pole = 45 mm



Push down strain relief clamp by hand.



Push down strain relief clamp via 2.5 mm screwdriver alternately on both sides.



Latch the top of the strain relief housing.





The printed marking of the connector is clearly visible in the openings of the strain relief housing.



Connector with shield termination



Apply the shield to the rubber cable.
Strip length, outer insulation = 40 mm
Shield length = 8 mm



Push the shield connecting plate into the connector until fully inserted.



First insert the wired connector into strain relief housing, then snap clamp and cover.

PUSH-IN CAGE CLAMP®

# *WINSTA*® MINI ▸ Coding: B ▸ 890, 891 Series
## Description and Installation






Gray, B-coded connector with "3 2 1" marking, e.g., control signal (A circuit)




Easy circuit identification via different marking and colors



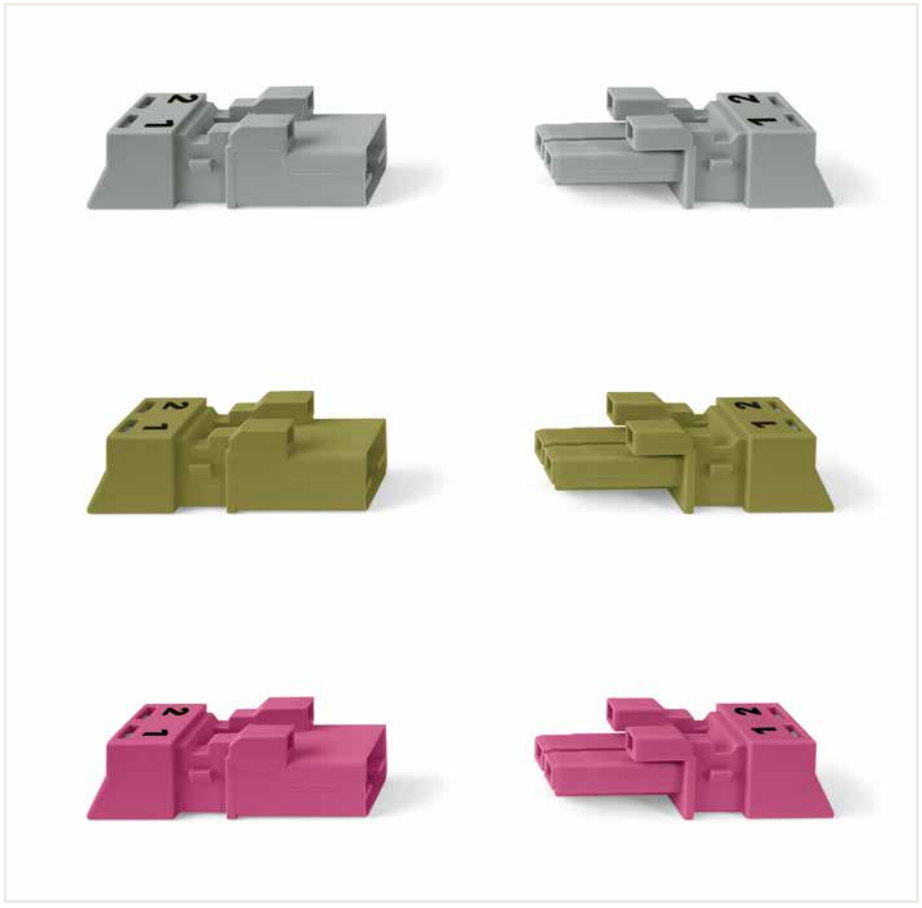
B-coded connectors (shown in gray) not only differ in color, but also in their design, making them incompatible with other coded connectors.

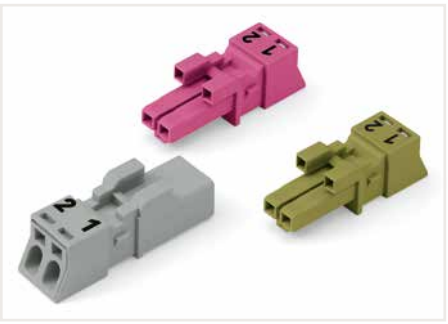


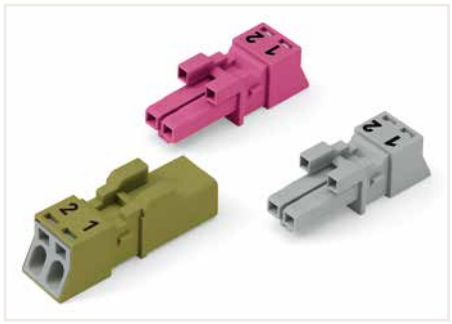

Light green, B-coded connector with "3 2 1" marking, e.g., DC power supply (24 V circuit)

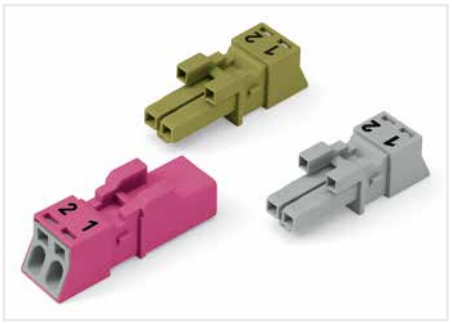



Pink, B-coded connector with "3 2 1" marking, e.g., control signal (B circuit)









B-coded connectors with different colors can be plugged together.
**Important note:**
Different colors and/or pole markings are used for circuit identification.
Only connectors of the same color and same pole marking must be plugged together.

Installation notes for conductor connection, shield termination, operating tools and mounting aids for *WINSTA*® MINI pluggable connectors, see page 24.

# Pluggable connectors ▶ *WINSTA*® MINI ▶ 890 Series
Pole number: 2

1




- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology for direct termination of solid conductors
- Low profile with 4.4 mm pole spacing

| Electrical data | | | | |
|---|---|---|---|---|
| Coding | A; B; I | | | |
| Ratings per | IEC/EN 60664-1 | | | |
| Overvoltage category | III | III | II | |
| Pollution degree | 3 | 2 | 2 | |
| Nominal voltage | 250 V | - | - | |
| Rated surge voltage | 4 kV | - | - | |
| Rated current | 16 A | - | - | |
| Approvals per | UL 1977 | | | |
| Rated voltage | 600 V | | | |
| Rated current | 14 A | | | |

| Connection data | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Strip length | 9 mm / 0.35 inches |
| Nominal cross-section | 1.5 mm² / 16 AWG |
| Solid conductor | 0.25 … 1.5 mm² / 22 … 16 AWG |
| Solid conductor; push-in termination | 0.75 … 1.5 mm² / 20 … 16 AWG |
| Stranded conductor | 0.25 … 1 mm² / 22 … 18 AWG |
| Fine-stranded conductor | 0.25 … 1.5 mm² / 22 … 16 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 … 0.75 mm² / 22 … 20 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 … 0.75 mm² / 22 … 20 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 0.75 mm² / 20 AWG |

| Material Data | |
|---|---|
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).


| | |
|---|---|
| Cover | Page 368 |
| Tool | Page 392 |


See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series
## Pole number: 2

Strain relief housing ▸ Female connector/socket ▸ Connectable sheathed cable diameter: 3.8 … 8.2 mm ▸ Protection type: IP40



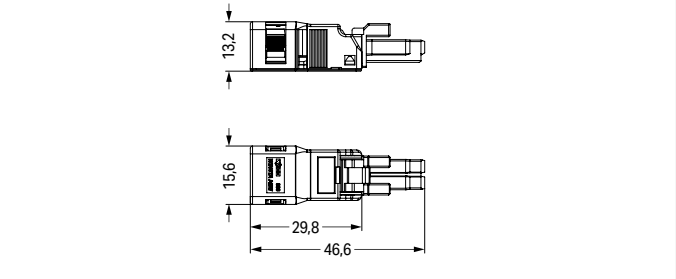
890-202/342-000

General mains applications ▸ Strip length (outer insulation): 17.5 mm

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | L N | 890-202/342-000 | 50 |

General mains applications ▸ Strip length (outer insulation): 32 mm

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | L N | 890-102 | 50 |
| ○ white | A | L N | 890-122 | 50 |




Overall length when mated

Strain relief housing ▸ Male connector/plug ▸ Connectable sheathed cable diameter: 3.8 … 8.2 mm ▸ Protection type: IP40



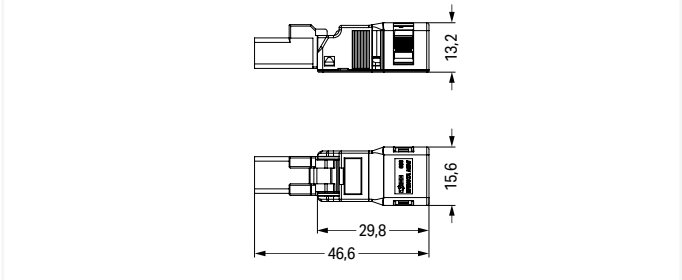
890-212/342-000

General mains applications ▸ Strip length (outer insulation): 17.5 mm

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | N L | 890-212/342-000 | 50 |

General mains applications ▸ Strip length (outer insulation): 32 mm

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | N L | 890-112 | 50 |
| ○ white | A | N L | 890-132 | 50 |




Overall length when mated

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |



Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole number: 2

| Color | Item no. | PU |
|---|---|---|
| ● green | 890-382 | 1 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series
## Pole number: 2

1

Strain relief housing ▸ Female connector/socket ▸ Connectable sheathed cable diameter: 3.8 … 8.2 mm ▸ Protection type: IP40



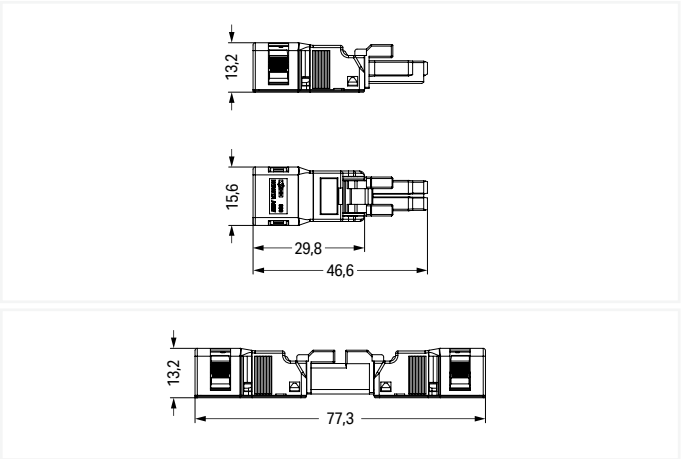
890-202/342-000

General mains applications ▸ Strip length (outer insulation): 17.5 mm

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | L N | 890-202/342-000 | 50 |

General mains applications ▸ Strip length (outer insulation): 32 mm

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | L N | 890-102 | 50 |
| ○ white | A | L N | 890-122 | 50 |




Overall length when mated

Strain relief housing ▸ Male connector/plug ▸ Connectable sheathed cable diameter: 3.8 … 8.2 mm ▸ Protection type: IP40



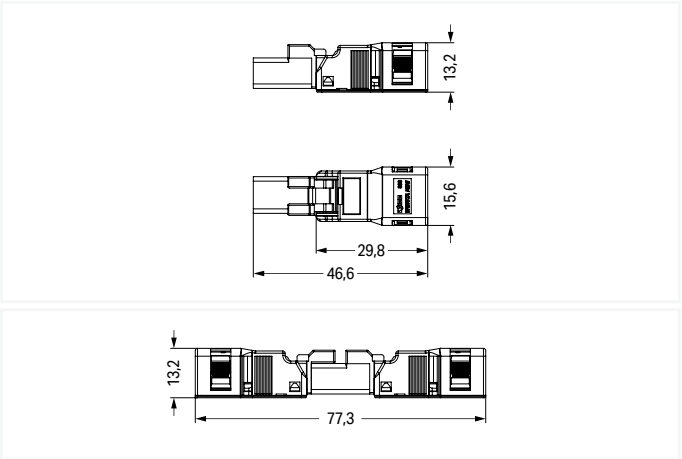
890-212/342-000

General mains applications ▸ Strip length (outer insulation): 17.5 mm

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | N L | 890-212/342-000 | 50 |

General mains applications ▸ Strip length (outer insulation): 32 mm

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | N L | 890-112 | 50 |
| ○ white | A | N L | 890-132 | 50 |




Overall length when mated

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |



Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole number: 2

| Color | Item no. | PU |
|---|---|---|
| ● green | 890-382 | 1 |

**PU = packaging unit; SPU = subpackaging unit; Dimensions in mm**

# Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series
## Pole number: 2

Female connector/socket ▸ Protection type: IP20; IP40 with strain relief housing

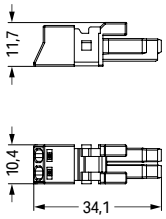



890-202

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L N | 890-202 | 50 |
| white | A | L N | 890-222 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 | 890-242 | 50 |
| gray | B | L N | 890-242/060-000 | 50 |
| light green | B | 1 2 | 890-262 | 50 |
| pink | B | 1 2 | 890-282 | 50 |
| pink | B | I+ I- | 890-282/080-000 | 50 |
| pink | B | + - | 890-282/082-000 | 50 |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| blue | I | + - | 890-1102 | 50 |




Male connector/plug ▸ Protection type: IP20; IP40 when mated with strain relief housing

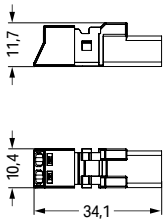



890-212

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N L | 890-212 | 50 |
| white | A | N L | 890-232 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 2 1 | 890-252 | 50 |
| gray | B | N L | 890-252/060-000 | 50 |
| light green | B | 2 1 | 890-272 | 50 |
| pink | B | 2 1 | 890-292 | 50 |
| pink | B | I- I+ | 890-292/080-000 | 50 |
| pink | B | - + | 890-292/082-000 | 50 |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| blue | I | - + | 890-1112 | 50 |




### Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 890-101 | 100 (50) |
| white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 890-111 | 100 (50) |
| white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| black | 890-310 | 100 |
| white | 890-311 | 100 |



Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole number: 2

| Color | Item no. | PU |
|---|---|---|
| green | 890-382 | 1 |



Strain relief housing; Connectable sheathed cable diameter: 3.8 … 8.2 mm; Strip length (outer insulation): 32 mm

| Color | Item no. | PU |
|---|---|---|
| black | 890-502 | 50 |
| white | 890-512 | 50 |



Strain relief housing; Connectable sheathed cable diameter: 3.8 … 8.2 mm; Strip length (outer insulation): 17.5 mm

| Color | Item no. | PU |
|---|---|---|
| black | 890-502/342-000 | 50 |
| white | 890-512/342-000 | 50 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Snap-in device connector ▶ *WINSTA*® MINI ▶ 890 Series
Pole number: 2

1




- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

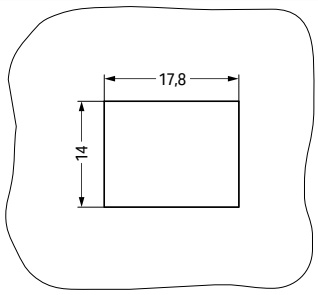



Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

| Electrical data | | | |
|---|---|---|---|
| Coding | A; B; I | | |
| Ratings per | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 250 V | - | - |
| Rated surge voltage | 4 kV | - | - |
| Rated current | 16 A | - | - |
| Approvals per | UL 1977 | | |
| Rated voltage | 600 V | | |
| Rated current | 14 A | | |

| Connection data | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Strip length | 9 mm / 0.35 inches |
| Nominal cross-section | 1.5 mm² / 16 AWG |
| Solid conductor | 0.25 … 1.5 mm² / 22 … 16 AWG |
| Solid conductor; push-in termination | 0.75 … 1.5 mm² / 20 … 16 AWG |
| Stranded conductor | 0.25 … 1 mm² / 22 … 18 AWG |
| Fine-stranded conductor | 0.25 … 1.5 mm² / 22 … 16 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 … 0.75 mm² / 22 … 20 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 … 0.75 mm² / 22 … 20 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 0.75 mm² / 20 AWG |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Tool Page 392

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Snap-in device connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 2

Female connector/socket ▶ Protection type: IP40




890-702

**General mains applications**

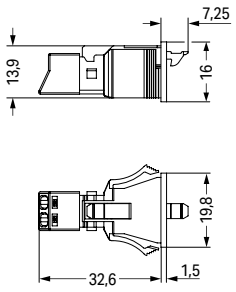
| Color | Coding | Marking | Item no. | PU (SPU) |
|---|---|---|---|---|
| black | A | L N | 890-702 | 50 (50) |
| white | A | L N | 890-722 | 50 (50) |

**Control technology**

| Color | Coding | Marking | Item no. | PU (SPU) |
|---|---|---|---|---|
| gray | B | 1 2 | 890-742 | 50 (50) |
| gray | B | L N | 890-742/060-000 | 50 (50) |
| light green | B | 1 2 | 890-762 | 50 (50) |
| pink | B | 1 2 | 890-782 | 50 (50) |
| pink | B | I+ I- | 890-782/080-000 | 50 (50) |
| pink | B | + - | 890-782/082-000 | 50 (50) |

**DALI, Lighting Management**

| Color | Coding | Marking | Item no. | PU (SPU) |
|---|---|---|---|---|
| blue | I | + - | 890-2102 | 50 (50) |




Male connector/plug ▶ Protection type: IP20; IP40 when mated




890-712

**General mains applications**

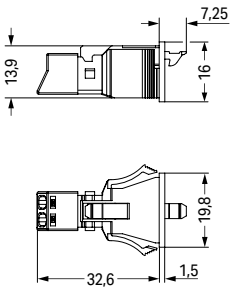
| Color | Coding | Marking | Item no. | PU (SPU) |
|---|---|---|---|---|
| black | A | N L | 890-712 | 50 (50) |
| white | A | N L | 890-732 | 50 (50) |

**Control technology**

| Color | Coding | Marking | Item no. | PU (SPU) |
|---|---|---|---|---|
| gray | B | 2 1 | 890-752 | 50 (50) |
| gray | B | N L | 890-752/060-000 | 50 (50) |
| light green | B | 2 1 | 890-772 | 50 (50) |
| pink | B | 2 1 | 890-792 | 50 (50) |
| pink | B | I- I+ | 890-792/080-000 | 50 (50) |
| pink | B | - + | 890-792/082-000 | 50 (50) |

**DALI, Lighting Management**

| Color | Coding | Marking | Item no. | PU (SPU) |
|---|---|---|---|---|
| blue | I | - + | 890-2112 | 50 (50) |




**Accessories; for all products on this page**



Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole number: 2

| Color | Item no. | PU |
|---|---|---|
| green | 890-382 | 1 |



Lockout cap; for cutout; Pole number: 2

| Color | Item no. | PU |
|---|---|---|
| black | 890-642 | 100 |
| white | 890-692 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable PCB connector ▶ *WINSTA*® MINI ▶ 890 Series
Pole number: 2






- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing

| | | | | |
|---|---|---|---|---|
| **Electrical data** | | | | |
| **Coding** | **A; B; I** | | | |
| **Ratings per** | **IEC/EN 60664-1** | | | |
| Overvoltage category | III | III | II | |
| Pollution degree | 3 | 2 | 2 | |
| Nominal voltage | 250 V | - | - | |
| Rated surge voltage | 4 kV | - | - | |
| Rated current | 16 A | - | - | |
| **Approvals per** | **UL 1977** | | | |
| Rated voltage | 600 V | | | |
| Rated current | 14 A | | | |

| | |
|---|---|
| **Material Data** | |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| **Mechanical Data** | |
| Solder pin arrangement | 2 in-line solder pins/pole |
| Number of solder pins per potential | 2 |
| Solder pin length | 3.5 mm |
| Solder pin dimensions | 1 x 0.8 mm |
| Drilled hole diameter with tolerance | 1.3 $^{(+0.1)}$ mm |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |
| **Environmental requirements** | |
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

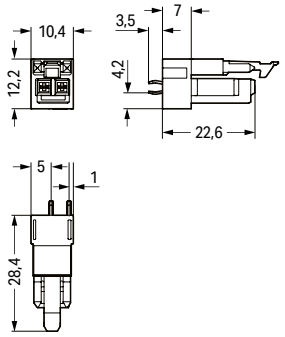
# Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series
## Pole number: 2

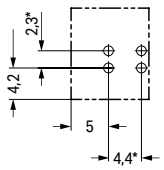
straight ▸ Female connector/socket




890-802

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L N | 890-802 | 100 |
| white | A | L N | 890-822 | 100 |
| **Control technology** | | | | |
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 | 890-842 | 100 |
| light green | B | 1 2 | 890-862 | 100 |
| pink | B | 1 2 | 890-882 | 100 |
| **DALI, Lighting Management** | | | | |
| Color | Coding | Marking | Item no. | PU |
| blue | I | + - | 890-3102 | 100 |



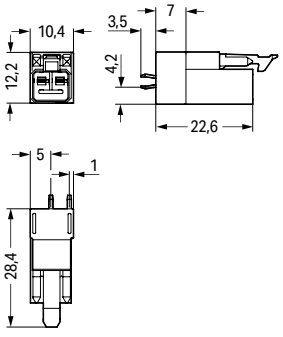

* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

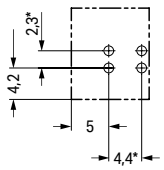
straight ▸ Male connector/plug




890-812

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N L | 890-812 | 100 |
| white | A | N L | 890-832 | 100 |
| **Control technology** | | | | |
| Color | Coding | Marking | Item no. | PU |
| gray | B | 2 1 | 890-852 | 100 |
| light green | B | 2 1 | 890-872 | 100 |
| pink | B | 2 1 | 890-892 | 100 |
| **DALI, Lighting Management** | | | | |
| Color | Coding | Marking | Item no. | PU |
| blue | I | - + | 890-3112 | 100 |




* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable PCB connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 2

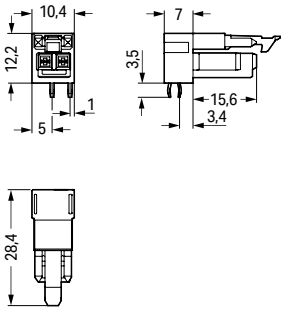
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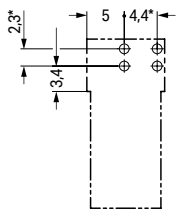
angled ▶ Female connector/socket



890-802/011-000

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L N | 890-802/011-000 | 100 |
| white | A | L N | 890-822/011-000 | 100 |
| **Control technology** | | | | |
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 | 890-842/011-000 | 100 |
| light green | B | 1 2 | 890-862/011-000 | 100 |
| pink | B | 1 2 | 890-882/011-000 | 100 |
| **DALI, Lighting Management** | | | | |
| Color | Coding | Marking | Item no. | PU |
| blue | I | + - | 890-3102/011-000 | 100 |



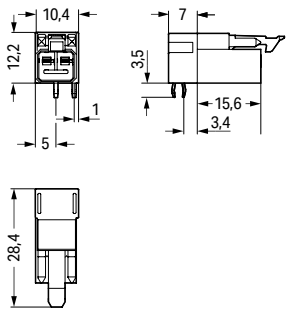

* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

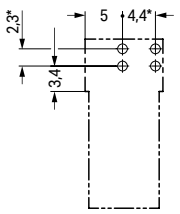
angled ▶ Male connector/plug



890-812/011-000

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N L | 890-812/011-000 | 100 |
| white | A | N L | 890-832/011-000 | 100 |
| **Control technology** | | | | |
| Color | Coding | Marking | Item no. | PU |
| gray | B | 2 1 | 890-852/011-000 | 100 |
| light green | B | 2 1 | 890-872/011-000 | 100 |
| pink | B | 2 1 | 890-892/011-000 | 100 |
| **DALI, Lighting Management** | | | | |
| Color | Coding | Marking | Item no. | PU |
| blue | I | - + | 890-3112/011-000 | 100 |




* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 2 ▶ Protection type: IP20; IP40 when mated





- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

| | | | | |
|---|---|---|---|---|
| **Electrical data** | | | | |
| **Coding** | **A; B; I** | | | |
| **Ratings per** | **IEC/EN 60664-1** | | | |
| Overvoltage category | III | III | II | |
| Pollution degree | 3 | 2 | 2 | |
| Nominal voltage | 250 V | - | - | |
| Rated surge voltage | 4 kV | - | - | |
| Rated current | 16 A | - | - | |
| **Approvals per** | **UL 1977** | | | |
| Rated voltage | 600 V | | | |
| Rated current | 14 A | | | |

| | |
|---|---|
| **Material Data** | |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| **Mechanical Data** | |
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | Approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | When locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | IP40 when mated |
| **Environmental requirements** | |
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Distribution connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 2 ▶ Protection type: IP20; IP40 when mated

T-distribution connector ▶ Number of locking levers: 2

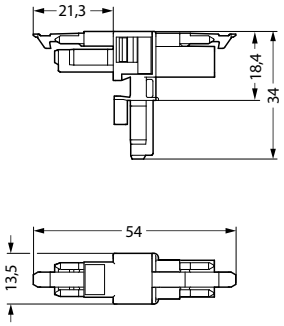



890-1606

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L N | 890-1606 | 25 |
| white | A | L N | 890-1656 | 25 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 | 890-1601 | 25 |
| light green | B | 1 2 | 890-1602 | 25 |
| pink | B | 1 2 | 890-1603 | 25 |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| blue | I | + - | 890-1617 | 25 |




T-distribution connector ▶ Number of locking levers: 3 ▶ for flying leads

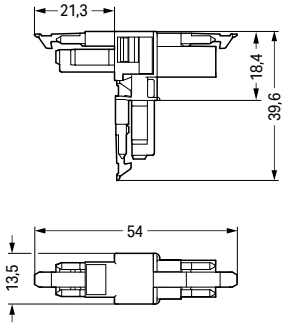



890-1615

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L N | 890-1615 | 25 |
| white | A | L N | 890-1665 | 25 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 | 890-1701 | 25 |
| light green | B | 1 2 | 890-1702 | 25 |
| pink | B | 1 2 | 890-1703 | 25 |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| blue | I | + - | 890-1620 | 25 |




PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 2 ▶ Protection type: IP20; IP40 when mated

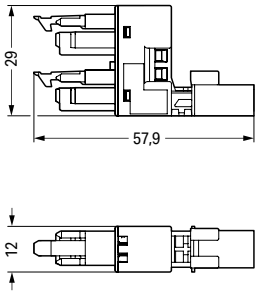
1

h-distribution connector, outputs on one side ▶ Number of locking levers: 2




890-1634

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● black | A | L N | 890-1634 | 50 |
| ○ white | A | L N | 890-1684 | 50 |

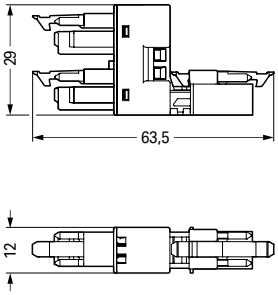



h-distribution connector, outputs on one side ▶ Number of locking levers: 3 ▶ for flying leads




890-1636

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● black | A | L N | 890-1636 | 50 |
| ○ white | A | L N | 890-1686 | 50 |




**Accessories; for all products on this page**



Mounting plate; for distribution connectors (except T-distribution connectors); 2-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 890-1622 | 50 |
| ○ white | 890-1672 | 50 |

**PU = packaging unit; SPU = subpackaging unit; Dimensions in mm**

# Distribution connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 2 ▶ Protection type: IP20; IP40 when mated

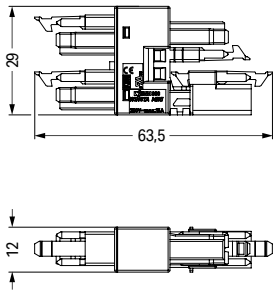
Distribution connector, 3-way ▶ Number of locking levers: 4



890-1904

DALI, Lighting Management

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| blue | I | + - | 890-1904 | 50 |



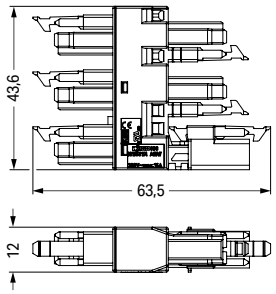

Distribution connector, 5-way ▶ Number of locking levers: 6



890-1907

DALI, Lighting Management

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| blue | I | + - | 890-1907 | 50 |




Accessories; for all products on this page



Mounting plate; for distribution connectors (except T-distribution connectors); 2-pole

| Color | Item no. | PU |
|---|---|---|
| black | 890-1622 | 50 |
| white | 890-1672 | 50 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series
## Pole number: 2 ▶ Fire class per EN 50575: $E_{ca}$





- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

| Electrical data | | | | | | |
|---|---|---|---|---|---|---|
| Coding | A; B | | | A; B; I | | |
| Wire cross-section | 1 mm² | | | 1.5 mm² | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 250 V | - | - | 250 V | - | - |
| Rated surge voltage | 4 kV | - | - | 4 kV | - | - |
| Rated current | 10 A | - | - | 16 A | - | - |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Contact material | Copper or copper alloy; surface-treated |
| Fire class per EN 50575 | $E_{ca}$ |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | when unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | when locked: > 80N |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

Cables with a different fire class can be found in the eS-hop.

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

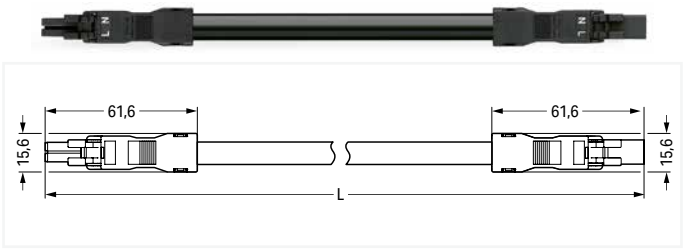
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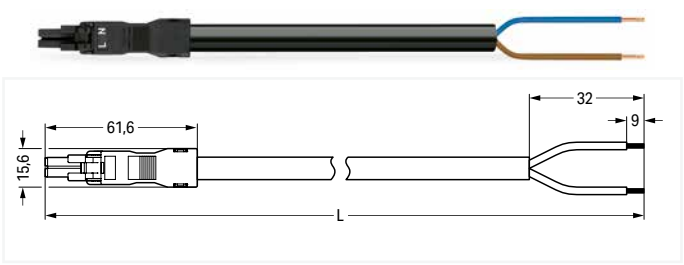
See technical section for further information

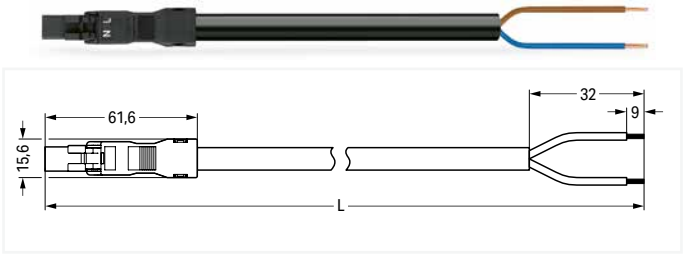
Approvals and corresponding ratings, visit www.wago.com

# Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 2 ▸ Fire class per EN 50575: $E_{ca}$ ▸ Coding: A ▸ 1 mm² ▸ Marking: L N ▸ PVC ▸ Sheathed cable diameter: 5.9 … 7.5 mm ▸ H05VV-F 2x1 ▸ General mains applications




Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8992/005-101 | 891-8992/005-102 | | 1 |
| 2 m | 891-8992/005-201 | 891-8992/005-202 | | 1 |
| 3 m | 891-8992/005-301 | 891-8992/005-302 | | 1 |
| 4 m | 891-8992/005-401 | 891-8992/005-402 | | 1 |
| 5 m | 891-8992/005-501 | 891-8992/005-502 | | 1 |
| 6 m | 891-8992/005-601 | 891-8992/005-602 | | 1 |
| 7 m | 891-8992/005-701 | 891-8992/005-702 | | 1 |
| 8 m | 891-8992/005-801 | 891-8992/005-802 | | 1 |

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8992/105-101 | 891-8992/105-102 | | 1 |
| 2 m | 891-8992/105-201 | 891-8992/105-202 | | 1 |
| 3 m | 891-8992/105-301 | 891-8992/105-302 | | 1 |
| 4 m | 891-8992/105-401 | 891-8992/105-402 | | 1 |
| 5 m | 891-8992/105-501 | 891-8992/105-502 | | 1 |
| 6 m | 891-8992/105-601 | 891-8992/105-602 | | 1 |
| 7 m | 891-8992/105-701 | 891-8992/105-702 | | 1 |
| 8 m | 891-8992/105-801 | 891-8992/105-802 | | 1 |

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8992/205-101 | 891-8992/205-102 | | 1 |
| 2 m | 891-8992/205-201 | 891-8992/205-202 | | 1 |
| 3 m | 891-8992/205-301 | 891-8992/205-302 | | 1 |
| 4 m | 891-8992/205-401 | 891-8992/205-402 | | 1 |
| 5 m | 891-8992/205-501 | 891-8992/205-502 | | 1 |
| 6 m | 891-8992/205-601 | 891-8992/205-602 | | 1 |
| 7 m | 891-8992/205-701 | 891-8992/205-702 | | 1 |
| 8 m | 891-8992/205-801 | 891-8992/205-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

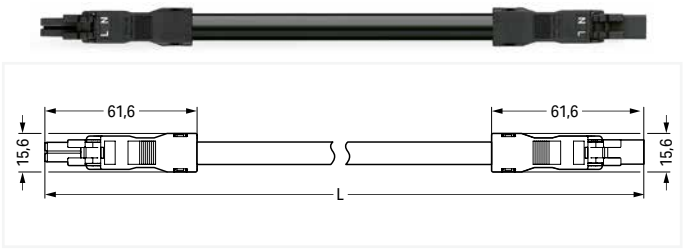
| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

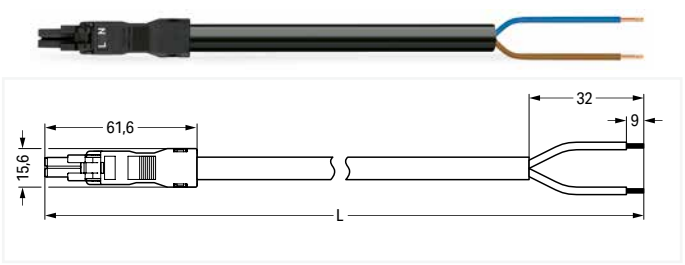
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

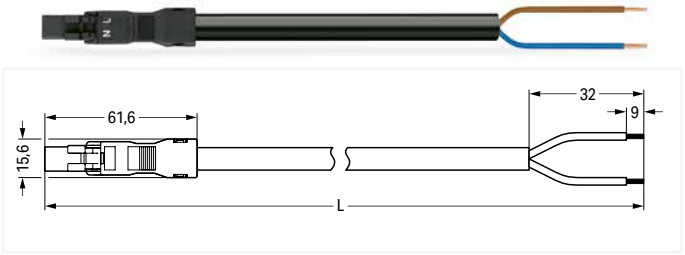
# Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 2 ▸ Fire class per EN 50575: $E_{ca}$ ▸ Coding: A ▸ 1 mm² ▸ Marking: L N ▸ Halogen-free ▸ Sheathed cable diameter: 5.9 … 7.5 mm ▸ H05Z1Z1-F 2x1 ▸ General mains applications






Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8992/015-101 | 891-8992/015-102 | | 1 |
| 2 m | 891-8992/015-201 | 891-8992/015-202 | | 1 |
| 3 m | 891-8992/015-301 | 891-8992/015-302 | | 1 |
| 4 m | 891-8992/015-401 | 891-8992/015-402 | | 1 |
| 5 m | 891-8992/015-501 | 891-8992/015-502 | | 1 |
| 6 m | 891-8992/015-601 | 891-8992/015-602 | | 1 |
| 7 m | 891-8992/015-701 | 891-8992/015-702 | | 1 |
| 8 m | 891-8992/015-801 | 891-8992/015-802 | | 1 |

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8992/115-101 | 891-8992/115-102 | | 1 |
| 2 m | 891-8992/115-201 | 891-8992/115-202 | | 1 |
| 3 m | 891-8992/115-301 | 891-8992/115-302 | | 1 |
| 4 m | 891-8992/115-401 | 891-8992/115-402 | | 1 |
| 5 m | 891-8992/115-501 | 891-8992/115-502 | | 1 |
| 6 m | 891-8992/115-601 | 891-8992/115-602 | | 1 |
| 7 m | 891-8992/115-701 | 891-8992/115-702 | | 1 |
| 8 m | 891-8992/115-801 | 891-8992/115-802 | | 1 |

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8992/215-101 | 891-8992/215-102 | | 1 |
| 2 m | 891-8992/215-201 | 891-8992/215-202 | | 1 |
| 3 m | 891-8992/215-301 | 891-8992/215-302 | | 1 |
| 4 m | 891-8992/215-401 | 891-8992/215-402 | | 1 |
| 5 m | 891-8992/215-501 | 891-8992/215-502 | | 1 |
| 6 m | 891-8992/215-601 | 891-8992/215-602 | | 1 |
| 7 m | 891-8992/215-701 | 891-8992/215-702 | | 1 |
| 8 m | 891-8992/215-801 | 891-8992/215-802 | | 1 |

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



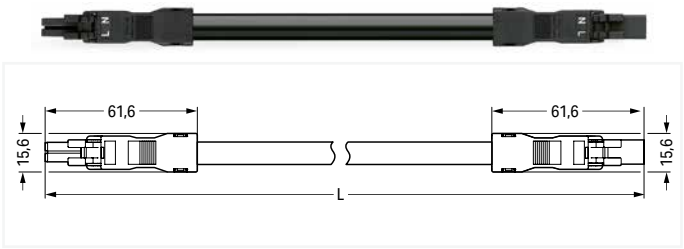
Mounting carrier; for flying leads; 2- to 5-pole

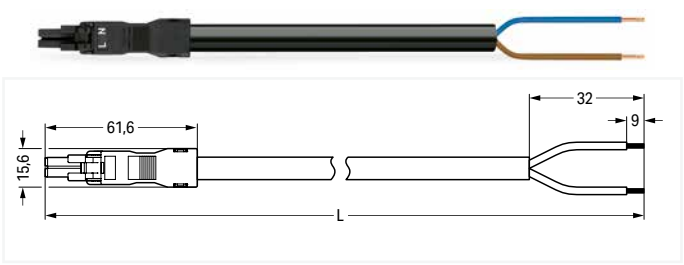
| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

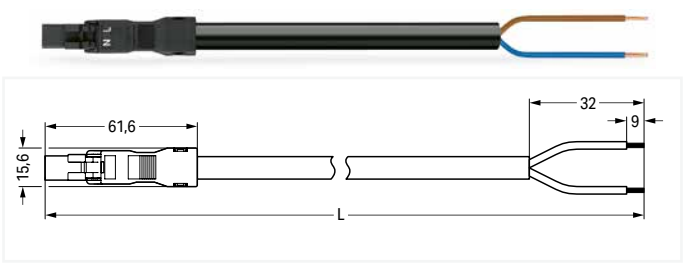
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series

Pole number: 2 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 1.5 mm² ▶ Marking: L N ▶ PVC ▶ Sheathed cable diameter: 6.8 … 8.6 mm ▶ H05VV-F 2x1.5 ▶ General mains applications




Interconnecting cable ▶ Socket - Plug ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8992/006-101 | 891-8992/006-102 | | 1 |
| 2 m | 891-8992/006-201 | 891-8992/006-202 | | 1 |
| 3 m | 891-8992/006-301 | 891-8992/006-302 | | 1 |
| 4 m | 891-8992/006-401 | 891-8992/006-402 | | 1 |
| 5 m | 891-8992/006-501 | 891-8992/006-502 | | 1 |
| 6 m | 891-8992/006-601 | 891-8992/006-602 | | 1 |
| 7 m | 891-8992/006-701 | 891-8992/006-702 | | 1 |
| 8 m | 891-8992/006-801 | 891-8992/006-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8992/106-101 | 891-8992/106-102 | | 1 |
| 2 m | 891-8992/106-201 | 891-8992/106-202 | | 1 |
| 3 m | 891-8992/106-301 | 891-8992/106-302 | | 1 |
| 4 m | 891-8992/106-401 | 891-8992/106-402 | | 1 |
| 5 m | 891-8992/106-501 | 891-8992/106-502 | | 1 |
| 6 m | 891-8992/106-601 | 891-8992/106-602 | | 1 |
| 7 m | 891-8992/106-701 | 891-8992/106-702 | | 1 |
| 8 m | 891-8992/106-801 | 891-8992/106-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8992/206-101 | 891-8992/206-102 | | 1 |
| 2 m | 891-8992/206-201 | 891-8992/206-202 | | 1 |
| 3 m | 891-8992/206-301 | 891-8992/206-302 | | 1 |
| 4 m | 891-8992/206-401 | 891-8992/206-402 | | 1 |
| 5 m | 891-8992/206-501 | 891-8992/206-502 | | 1 |
| 6 m | 891-8992/206-601 | 891-8992/206-602 | | 1 |
| 7 m | 891-8992/206-701 | 891-8992/206-702 | | 1 |
| 8 m | 891-8992/206-801 | 891-8992/206-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

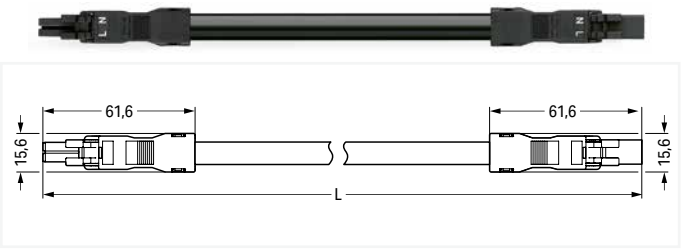
| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

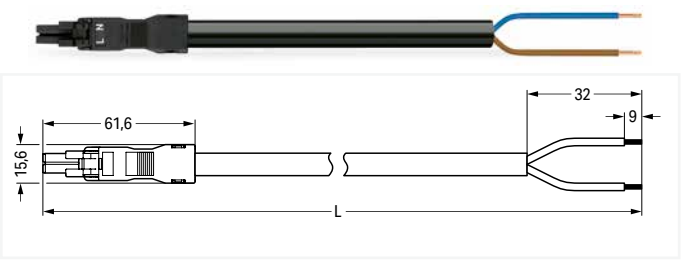
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

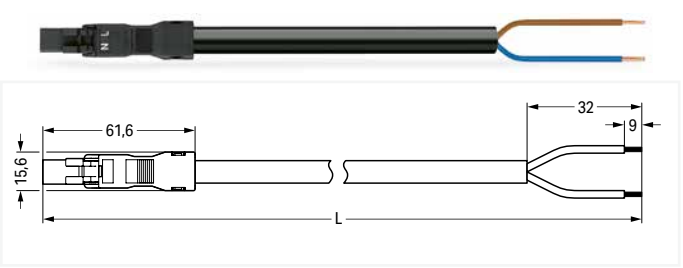
# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series

Pole number: 2 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 1.5 mm² ▶ Marking: L N ▶ Halogen-free ▶ Sheathed cable diameter: 6.8 … 8.6 mm ▶ H05Z1Z1-F 2x1.5 ▶ General mains applications






Interconnecting cable ▶ Socket - Plug ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8992/016-101 | 891-8992/016-102 | | 1 |
| 2 m | 891-8992/016-201 | 891-8992/016-202 | | 1 |
| 3 m | 891-8992/016-301 | 891-8992/016-302 | | 1 |
| 4 m | 891-8992/016-401 | 891-8992/016-402 | | 1 |
| 5 m | 891-8992/016-501 | 891-8992/016-502 | | 1 |
| 6 m | 891-8992/016-601 | 891-8992/016-602 | | 1 |
| 7 m | 891-8992/016-701 | 891-8992/016-702 | | 1 |
| 8 m | 891-8992/016-801 | 891-8992/016-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8992/116-101 | 891-8992/116-102 | | 1 |
| 2 m | 891-8992/116-201 | 891-8992/116-202 | | 1 |
| 3 m | 891-8992/116-301 | 891-8992/116-302 | | 1 |
| 4 m | 891-8992/116-401 | 891-8992/116-402 | | 1 |
| 5 m | 891-8992/116-501 | 891-8992/116-502 | | 1 |
| 6 m | 891-8992/116-601 | 891-8992/116-602 | | 1 |
| 7 m | 891-8992/116-701 | 891-8992/116-702 | | 1 |
| 8 m | 891-8992/116-801 | 891-8992/116-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8992/216-101 | 891-8992/216-102 | | 1 |
| 2 m | 891-8992/216-201 | 891-8992/216-202 | | 1 |
| 3 m | 891-8992/216-301 | 891-8992/216-302 | | 1 |
| 4 m | 891-8992/216-401 | 891-8992/216-402 | | 1 |
| 5 m | 891-8992/216-501 | 891-8992/216-502 | | 1 |
| 6 m | 891-8992/216-601 | 891-8992/216-602 | | 1 |
| 7 m | 891-8992/216-701 | 891-8992/216-702 | | 1 |
| 8 m | 891-8992/216-801 | 891-8992/216-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

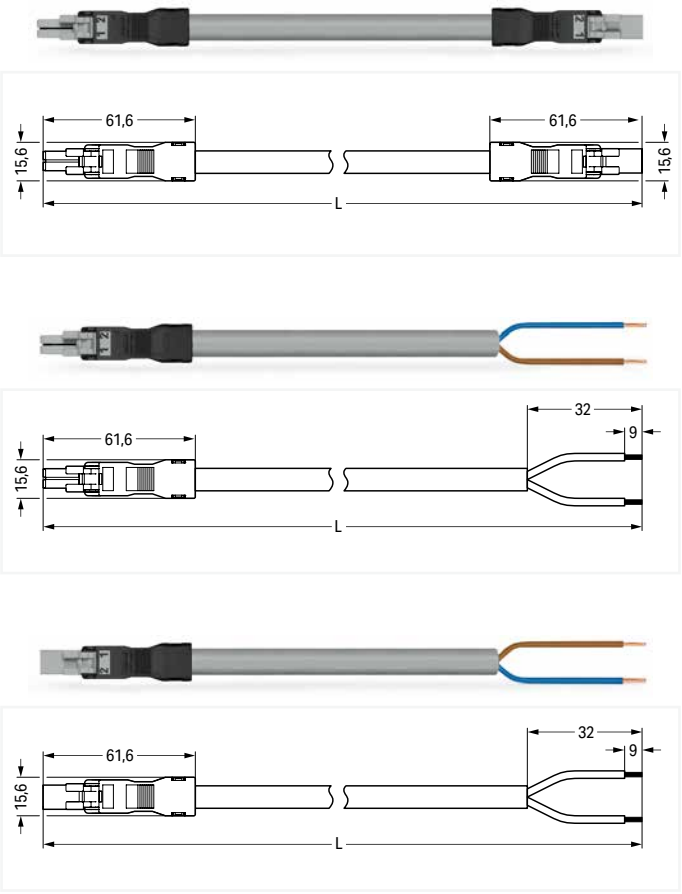
| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series

Pole number: 2 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: B ▶ 1 mm² ▶ Marking: 1 2 ▶ PVC ▶ Sheathed cable diameter: 5.9 … 7.5 mm ▶ Control line 2 x 1 ▶ Control technology






Interconnecting cable ▶ Socket - Plug ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8992/005-103 | 891-8992/005-105 | 891-8992/005-107 | 1 |
| 2 m | 891-8992/005-203 | 891-8992/005-205 | 891-8992/005-207 | 1 |
| 3 m | 891-8992/005-303 | 891-8992/005-305 | 891-8992/005-307 | 1 |
| 4 m | 891-8992/005-403 | 891-8992/005-405 | 891-8992/005-407 | 1 |
| 5 m | 891-8992/005-503 | 891-8992/005-505 | 891-8992/005-507 | 1 |
| 6 m | 891-8992/005-603 | 891-8992/005-605 | 891-8992/005-607 | 1 |
| 7 m | 891-8992/005-703 | 891-8992/005-705 | 891-8992/005-707 | 1 |
| 8 m | 891-8992/005-803 | 891-8992/005-805 | 891-8992/005-807 | 1 |

Connecting cable ▶ Socket - free end ▶ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8992/105-103 | 891-8992/105-105 | 891-8992/105-107 | 1 |
| 2 m | 891-8992/105-203 | 891-8992/105-205 | 891-8992/105-207 | 1 |
| 3 m | 891-8992/105-303 | 891-8992/105-305 | 891-8992/105-307 | 1 |
| 4 m | 891-8992/105-403 | 891-8992/105-405 | 891-8992/105-407 | 1 |
| 5 m | 891-8992/105-503 | 891-8992/105-505 | 891-8992/105-507 | 1 |
| 6 m | 891-8992/105-603 | 891-8992/105-605 | 891-8992/105-607 | 1 |
| 7 m | 891-8992/105-703 | 891-8992/105-705 | 891-8992/105-707 | 1 |
| 8 m | 891-8992/105-803 | 891-8992/105-805 | 891-8992/105-807 | 1 |

Connecting cable ▶ Plug - free end ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8992/205-103 | 891-8992/205-105 | 891-8992/205-107 | 1 |
| 2 m | 891-8992/205-203 | 891-8992/205-205 | 891-8992/205-207 | 1 |
| 3 m | 891-8992/205-303 | 891-8992/205-305 | 891-8992/205-307 | 1 |
| 4 m | 891-8992/205-403 | 891-8992/205-405 | 891-8992/205-407 | 1 |
| 5 m | 891-8992/205-503 | 891-8992/205-505 | 891-8992/205-507 | 1 |
| 6 m | 891-8992/205-603 | 891-8992/205-605 | 891-8992/205-607 | 1 |
| 7 m | 891-8992/205-703 | 891-8992/205-705 | 891-8992/205-707 | 1 |
| 8 m | 891-8992/205-803 | 891-8992/205-805 | 891-8992/205-807 | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

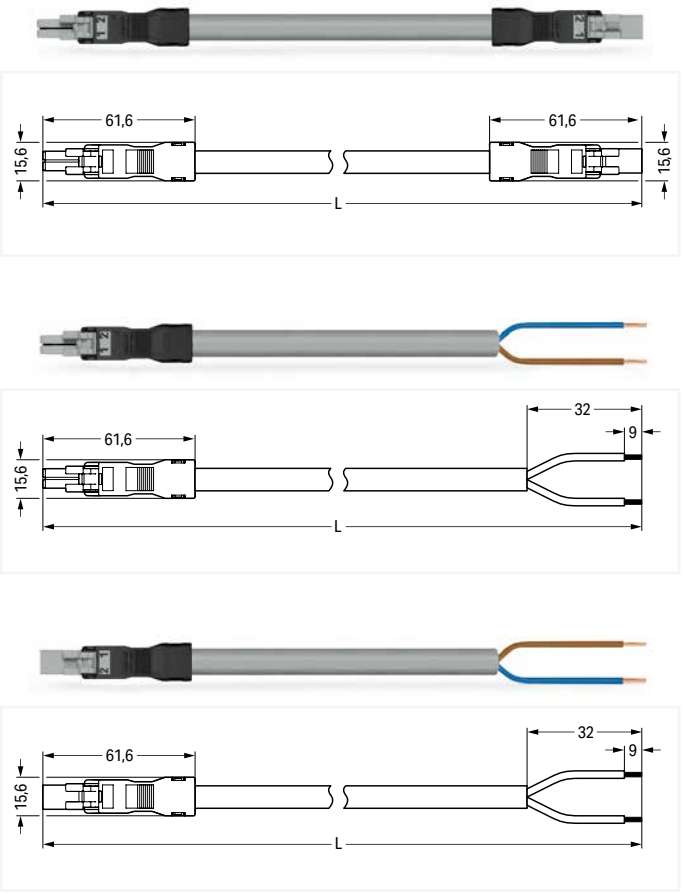
| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series

Pole number: 2 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: B ▶ 1.5 mm² ▶ Marking: 1 2 ▶ PVC ▶ Sheathed cable diameter: 6.8 … 8.6 mm ▶ Control line 2 x 1.5 ▶ Control technology






Interconnecting cable ▶ Socket - Plug ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8992/006-103 | 891-8992/006-105 | 891-8992/006-107 | 1 |
| 2 m | 891-8992/006-203 | 891-8992/006-205 | 891-8992/006-207 | 1 |
| 3 m | 891-8992/006-303 | 891-8992/006-305 | 891-8992/006-307 | 1 |
| 4 m | 891-8992/006-403 | 891-8992/006-405 | 891-8992/006-407 | 1 |
| 5 m | 891-8992/006-503 | 891-8992/006-505 | 891-8992/006-507 | 1 |
| 6 m | 891-8992/006-603 | 891-8992/006-605 | 891-8992/006-607 | 1 |
| 7 m | 891-8992/006-703 | 891-8992/006-705 | 891-8992/006-707 | 1 |
| 8 m | 891-8992/006-803 | 891-8992/006-805 | 891-8992/006-807 | 1 |

Connecting cable ▶ Socket - free end ▶ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8992/106-103 | 891-8992/106-105 | 891-8992/106-107 | 1 |
| 2 m | 891-8992/106-203 | 891-8992/106-205 | 891-8992/106-207 | 1 |
| 3 m | 891-8992/106-303 | 891-8992/106-305 | 891-8992/106-307 | 1 |
| 4 m | 891-8992/106-403 | 891-8992/106-405 | 891-8992/106-407 | 1 |
| 5 m | 891-8992/106-503 | 891-8992/106-505 | 891-8992/106-507 | 1 |
| 6 m | 891-8992/106-603 | 891-8992/106-605 | 891-8992/106-607 | 1 |
| 7 m | 891-8992/106-703 | 891-8992/106-705 | 891-8992/106-707 | 1 |
| 8 m | 891-8992/106-803 | 891-8992/106-805 | 891-8992/106-807 | 1 |

Connecting cable ▶ Plug - free end ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8992/206-103 | 891-8992/206-105 | 891-8992/206-107 | 1 |
| 2 m | 891-8992/206-203 | 891-8992/206-205 | 891-8992/206-207 | 1 |
| 3 m | 891-8992/206-303 | 891-8992/206-305 | 891-8992/206-307 | 1 |
| 4 m | 891-8992/206-403 | 891-8992/206-405 | 891-8992/206-407 | 1 |
| 5 m | 891-8992/206-503 | 891-8992/206-505 | 891-8992/206-507 | 1 |
| 6 m | 891-8992/206-603 | 891-8992/206-605 | 891-8992/206-607 | 1 |
| 7 m | 891-8992/206-703 | 891-8992/206-705 | 891-8992/206-707 | 1 |
| 8 m | 891-8992/206-803 | 891-8992/206-805 | 891-8992/206-807 | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



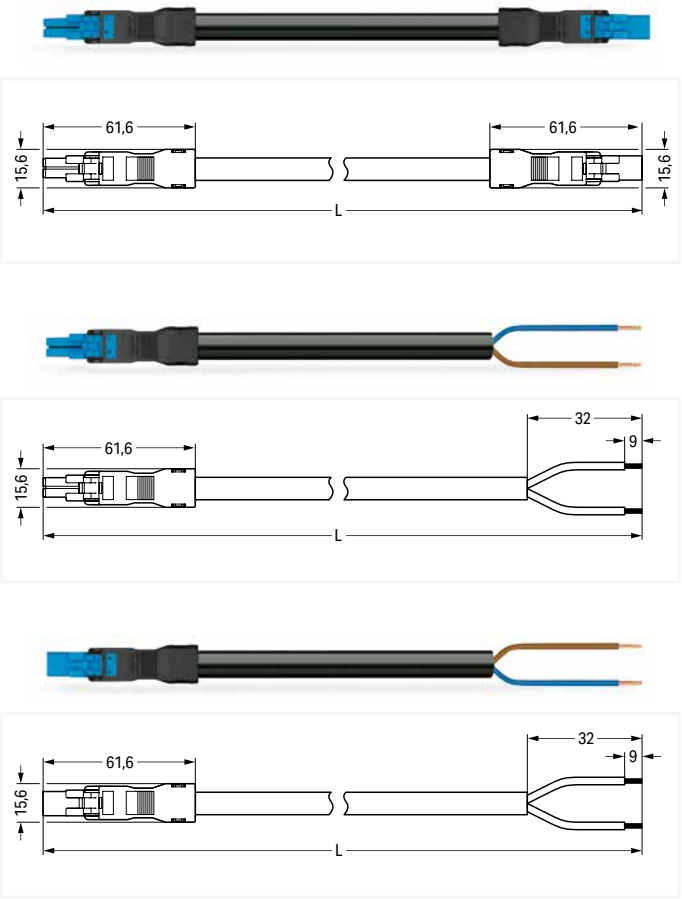
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series

Pole number: 2 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: I ▶ 1.5 mm² ▶ Marking: + - ▶ PVC ▶ Sheathed cable diameter: 6.8 … 8.6 mm ▶ H05VV-F 2x1.5 ▶ DALI, Lighting Management




Interconnecting cable ▶ Socket - Plug ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 891-8982/006-101 | 891-8982/006-102 | | 1 |
| 2 m | 891-8982/006-201 | 891-8982/006-202 | | 1 |
| 3 m | 891-8982/006-301 | 891-8982/006-302 | | 1 |
| 4 m | 891-8982/006-401 | 891-8982/006-402 | | 1 |
| 5 m | 891-8982/006-501 | 891-8982/006-502 | | 1 |
| 6 m | 891-8982/006-601 | 891-8982/006-602 | | 1 |
| 7 m | 891-8982/006-701 | 891-8982/006-702 | | 1 |
| 8 m | 891-8982/006-801 | 891-8982/006-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 891-8982/106-101 | 891-8982/106-102 | | 1 |
| 2 m | 891-8982/106-201 | 891-8982/106-202 | | 1 |
| 3 m | 891-8982/106-301 | 891-8982/106-302 | | 1 |
| 4 m | 891-8982/106-401 | 891-8982/106-402 | | 1 |
| 5 m | 891-8982/106-501 | 891-8982/106-502 | | 1 |
| 6 m | 891-8982/106-601 | 891-8982/106-602 | | 1 |
| 7 m | 891-8982/106-701 | 891-8982/106-702 | | 1 |
| 8 m | 891-8982/106-801 | 891-8982/106-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 891-8982/206-101 | 891-8982/206-102 | | 1 |
| 2 m | 891-8982/206-201 | 891-8982/206-202 | | 1 |
| 3 m | 891-8982/206-301 | 891-8982/206-302 | | 1 |
| 4 m | 891-8982/206-401 | 891-8982/206-402 | | 1 |
| 5 m | 891-8982/206-501 | 891-8982/206-502 | | 1 |
| 6 m | 891-8982/206-601 | 891-8982/206-602 | | 1 |
| 7 m | 891-8982/206-701 | 891-8982/206-702 | | 1 |
| 8 m | 891-8982/206-801 | 891-8982/206-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

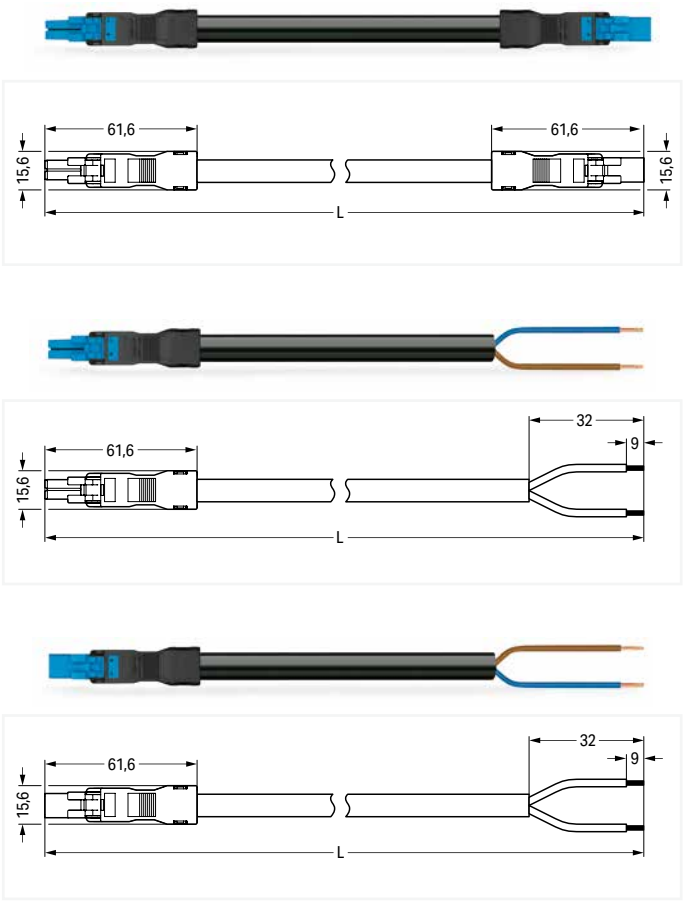
| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series

Pole number: 2 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: I ▶ 1.5 mm² ▶ Marking: + - ▶ Halogen-free ▶ Sheathed cable diameter: 6.8 … 8.6 mm ▶ H05Z1Z1-F 2x1.5 ▶ DALI, Lighting Management






Interconnecting cable ▶ Socket - Plug ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 891-8982/016-101 | 891-8982/016-102 | | 1 |
| 2 m | 891-8982/016-201 | 891-8982/016-202 | | 1 |
| 3 m | 891-8982/016-301 | 891-8982/016-302 | | 1 |
| 4 m | 891-8982/016-401 | 891-8982/016-402 | | 1 |
| 5 m | 891-8982/016-501 | 891-8982/016-502 | | 1 |
| 6 m | 891-8982/016-601 | 891-8982/016-602 | | 1 |
| 7 m | 891-8982/016-701 | 891-8982/016-702 | | 1 |
| 8 m | 891-8982/016-801 | 891-8982/016-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 891-8982/116-101 | 891-8982/116-102 | | 1 |
| 2 m | 891-8982/116-201 | 891-8982/116-202 | | 1 |
| 3 m | 891-8982/116-301 | 891-8982/116-302 | | 1 |
| 4 m | 891-8982/116-401 | 891-8982/116-402 | | 1 |
| 5 m | 891-8982/116-501 | 891-8982/116-502 | | 1 |
| 6 m | 891-8982/116-601 | 891-8982/116-602 | | 1 |
| 7 m | 891-8982/116-701 | 891-8982/116-702 | | 1 |
| 8 m | 891-8982/116-801 | 891-8982/116-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 891-8982/216-101 | 891-8982/216-102 | | 1 |
| 2 m | 891-8982/216-201 | 891-8982/216-202 | | 1 |
| 3 m | 891-8982/216-301 | 891-8982/216-302 | | 1 |
| 4 m | 891-8982/216-401 | 891-8982/216-402 | | 1 |
| 5 m | 891-8982/216-501 | 891-8982/216-502 | | 1 |
| 6 m | 891-8982/216-601 | 891-8982/216-602 | | 1 |
| 7 m | 891-8982/216-701 | 891-8982/216-702 | | 1 |
| 8 m | 891-8982/216-801 | 891-8982/216-802 | | 1 |

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▶ *WINSTA*® MINI ▶ 890 Series
Pole number: 3






- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology for direct termination of solid conductors
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

| Electrical data | | | | | | |
|---|---|---|---|---|---|---|
| Coding | A | | | B | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 250 V | - | - | 250 V | - | - |
| Rated surge voltage | 4 kV | - | - | 4 kV | - | - |
| Rated current | 16 A | - | - | 16 A | - | - |
| Note (rated current) | | | | 13 A for 3-pole load | | |
| Approvals per | UL 1977 | | | UL 1977 | | |
| Rated voltage | 600 V | | | 600 V | | |
| Rated current | 14 A | | | 14 A | | |

| Connection data | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Strip length | 9 mm / 0.35 inches |
| Nominal cross-section | 1.5 mm² / 16 AWG |
| Solid conductor | 0.25 … 1.5 mm² / 22 … 16 AWG |
| Solid conductor; push-in termination | 0.75 … 1.5 mm² / 20 … 16 AWG |
| Stranded conductor | 0.25 … 1 mm² / 22 … 18 AWG |
| Fine-stranded conductor | 0.25 … 1.5 mm² / 22 … 16 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 … 0.75 mm² / 22 … 20 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 … 0.75 mm² / 22 … 20 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 0.75 mm² / 20 AWG |

| Material Data | |
|---|---|
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).


| | |
|---|---|
| Cover | Page 368 |
| Shield termination | Page 367 |
| Tool | Page 392 |
| See technical section for further information | |
| Approvals and corresponding ratings, visit www.wago.com | |

# Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series
## Pole number: 3

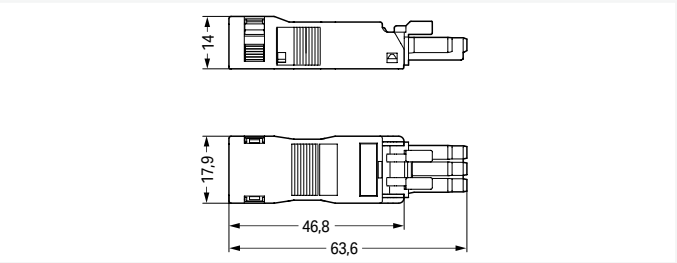
Strain relief housing ▸ Female connector/socket ▸ Strip length (outer insulation): 40 mm ▸ Connectable sheathed cable diameter: 4.5 … 10 mm ▸ Protection type: IP40

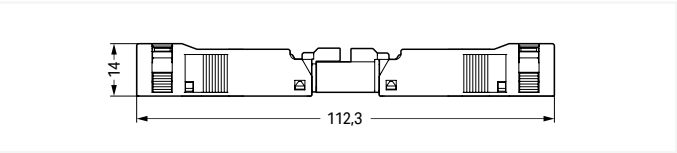


890-103

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | L ⏚ N | 890-103 | 50 |
| ○ white | A | L ⏚ N | 890-123 | 50 |




Overall length when mated

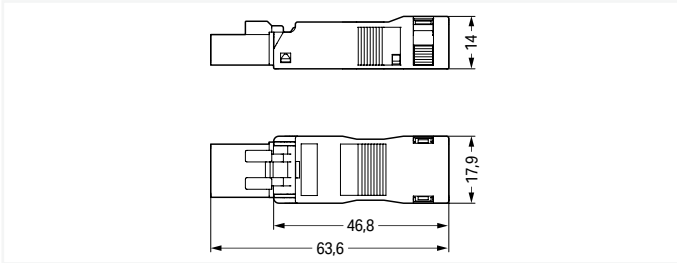
Strain relief housing ▸ Male connector/plug ▸ Strip length (outer insulation): 40 mm ▸ Connectable sheathed cable diameter: 4.5 … 10 mm ▸ Protection type: IP40

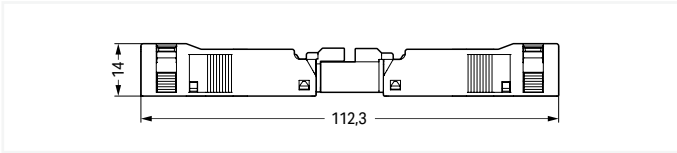


890-113

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | N ⏚ L | 890-113 | 50 |
| ○ white | A | N ⏚ L | 890-133 | 50 |




Overall length when mated

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |



Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole number: 3

| Color | Item no. | PU |
|---|---|---|
| ● green | 890-383 | 1 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series
## Pole number: 3

1

Female connector/socket ▸ Protection type: IP20; IP40 with strain relief housing



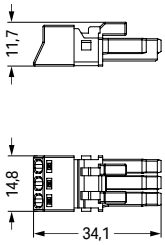

890-203

**General mains applications**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | L ⏚ N | 890-203 | 50 |
| white | A | L ⏚ N | 890-223 | 50 |

**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 | 890-243 | 50 |
| gray | B | L ⏚ N | 890-243/060-000 | 50 |
| gray | B | 2 PE 1 | 890-243/062-000 | 50 |
| light green | B | 1 2 3 | 890-263 | 50 |
| light green | B | U+ X/Y U- | 890-263/071-000 | 50 |
| light green | B | 1 ⏚ 2 | 890-263/073-000 | 50 |
| pink | B | 1 2 3 | 890-283 | 50 |
| pink | B | 1 2 5 | 890-283/081-000 | 50 |
| pink | B | + S - | 890-283/082-000 | 50 |




Male connector/plug ▸ Protection type: IP20; IP40 when mated with strain relief housing



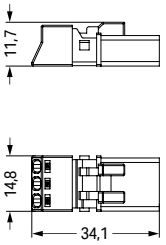

890-213

**General mains applications**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | N ⏚ L | 890-213 | 50 |
| white | A | N ⏚ L | 890-233 | 50 |

**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 3 2 1 | 890-253 | 50 |
| gray | B | N ⏚ L | 890-253/060-000 | 50 |
| gray | B | 1 PE 2 | 890-253/062-000 | 50 |
| light green | B | 3 2 1 | 890-273 | 50 |
| light green | B | U- X/Y U+ | 890-273/071-000 | 50 |
| light green | B | 2 ⏚ 1 | 890-273/073-000 | 50 |
| pink | B | 3 2 1 | 890-293 | 50 |
| pink | B | 5 2 1 | 890-293/081-000 | 50 |
| pink | B | - S + | 890-293/082-000 | 50 |




**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 890-101 | 100 (50) |
| white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 890-111 | 100 (50) |
| white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| black | 890-310 | 100 |
| white | 890-311 | 100 |



Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole number: 3

| Color | Item no. | PU |
|---|---|---|
| green | 890-383 | 1 |



Strain relief housing; Connectable sheathed cable diameter: 4.5 … 10 mm; Strip length (outer insulation): 40 mm

| Color | Item no. | PU |
|---|---|---|
| black | 890-503 | 50 |
| white | 890-513 | 50 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Snap-in device connector ▶ *WINSTA*® MINI ▶ 890 Series
Pole number: 3

1



- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

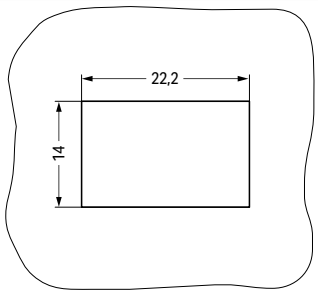



Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

| Electrical data | | | | | | |
|---|---|---|---|---|---|---|
| Coding | A | | | B | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 250 V | - | - | 250 V | - | - |
| Rated surge voltage | 4 kV | - | - | 4 kV | - | - |
| Rated current | 16 A | - | - | 16 A | - | - |
| Note (rated current) | | | | 13 A for 3-pole load | | |
| Approvals per | UL 1977 | | | UL 1977 | | |
| Rated voltage | 600 V | | | 600 V | | |
| Rated current | 14 A | | | 14 A | | |

| Connection data | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Strip length | 9 mm / 0.35 inches |
| Nominal cross-section | 1.5 mm² / 16 AWG |
| Solid conductor | 0.25 … 1.5 mm² / 22 … 16 AWG |
| Solid conductor; push-in termination | 0.75 … 1.5 mm² / 20 … 16 AWG |
| Stranded conductor | 0.25 … 1 mm² / 22 … 18 AWG |
| Fine-stranded conductor | 0.25 … 1.5 mm² / 22 … 16 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 … 0.75 mm² / 22 … 20 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 … 0.75 mm² / 22 … 20 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 0.75 mm² / 20 AWG |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

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See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Snap-in device connector ▸ *WINSTA*® MINI ▸ 890 Series
## Pole number: 3

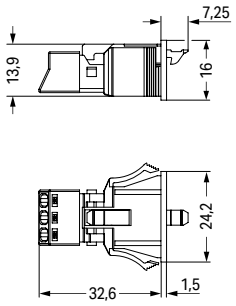
Female connector/socket ▸ Protection type: IP40



890-703

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU (SPU) |
| black | A | L ⏚ N | 890-703 | 50 (50) |
| white | A | L ⏚ N | 890-723 | 50 (50) |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU (SPU) |
| gray | B | 1 2 3 | 890-743 | 50 (50) |
| gray | B | L ⏚ N | 890-743/060-000 | 50 (50) |
| gray | B | 2 PE 1 | 890-743/062-000 | 50 (50) |
| light green | B | 1 2 3 | 890-763 | 50 (50) |
| light green | B | U+ X/Y U- | 890-763/071-000 | 50 (50) |
| light green | B | 1 ⏚ 2 | 890-763/073-000 | 50 (50) |
| pink | B | 1 2 3 | 890-783 | 50 (50) |
| pink | B | 1 2 5 | 890-783/081-000 | 50 (50) |
| pink | B | + S - | 890-783/082-000 | 50 (50) |



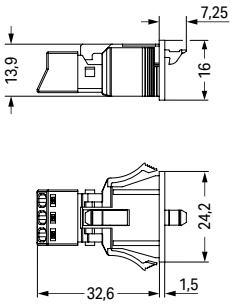

Male connector/plug ▸ Protection type: IP20; IP40 when mated



890-713

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU (SPU) |
| black | A | N ⏚ L | 890-713 | 50 (50) |
| white | A | N ⏚ L | 890-733 | 50 (50) |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU (SPU) |
| gray | B | 3 2 1 | 890-753 | 50 (50) |
| gray | B | N ⏚ L | 890-753/060-000 | 50 (50) |
| gray | B | 1 PE 2 | 890-753/062-000 | 50 (50) |
| light green | B | 3 2 1 | 890-773 | 50 (50) |
| light green | B | U- X/Y U+ | 890-773/071-000 | 50 (50) |
| light green | B | 2 ⏚ 1 | 890-773/073-000 | 50 (50) |
| pink | B | 3 2 1 | 890-793 | 50 (50) |
| pink | B | 5 2 1 | 890-793/081-000 | 50 (50) |
| pink | B | - S + | 890-793/082-000 | 50 (50) |




### Accessories; for all products on this page



Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole number: 3

| Color | Item no. | PU |
|---|---|---|
| green | 890-383 | 1 |



Lockout cap; for cutout; Pole number: 3

| Color | Item no. | PU |
|---|---|---|
| black | 890-643 | 100 |
| white | 890-693 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable PCB connector ▶ *WINSTA*® MINI ▶ 890 Series
Pole number: 3






- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing

| Electrical data | | | | | | |
|---|---|---|---|---|---|---|
| **Coding** | **A** | | | **B** | | |
| **Ratings per** | **IEC/EN 60664-1** | | | **IEC/EN 60664-1** | | |
| Overvoltage category | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 250 V | - | - | 250 V | - | - |
| Rated surge voltage | 4 kV | - | - | 4 kV | - | - |
| Rated current | 16 A | - | - | 16 A | - | - |
| Note (rated current) | | | | 13 A for 3-pole load | | |
| **Approvals per** | **UL 1977** | | | **UL 1977** | | |
| Rated voltage | 600 V | | | 600 V | | |
| Rated current | 14 A | | | 14 A | | |

| Material Data | |
|---|---|
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Solder pin arrangement | 2 in-line solder pins/pole |
| Number of solder pins per potential | 2 |
| Solder pin length | 3.5 mm |
| Solder pin dimensions | 1 x 0.8 mm |
| Drilled hole diameter with tolerance | 1.3 $^{(+0.1)}$ mm |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series
## Pole number: 3

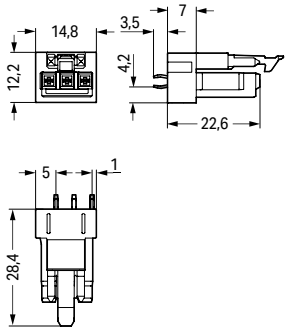
straight ▸ Female connector/socket

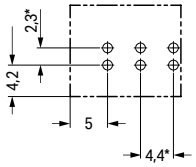



890-803

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L ⏚ N | 890-803 | 100 |
| white | A | L ⏚ N | 890-823 | 100 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 | 890-843 | 100 |
| light green | B | 1 2 3 | 890-863 | 100 |
| pink | B | 1 2 3 | 890-883 | 100 |




* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

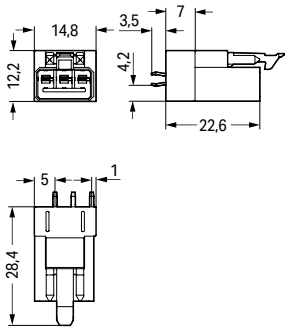
straight ▸ Male connector/plug

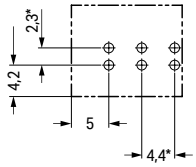



890-813

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N ⏚ L | 890-813 | 100 |
| white | A | N ⏚ L | 890-833 | 100 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 3 2 1 | 890-853 | 100 |
| light green | B | 3 2 1 | 890-873 | 100 |
| pink | B | 3 2 1 | 890-893 | 100 |




* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series
## Pole number: 3

1

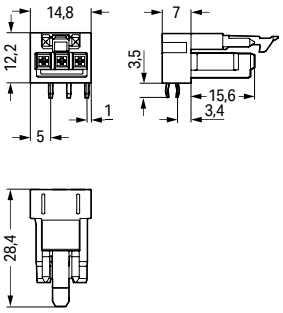
### angled ▸ Female connector/socket

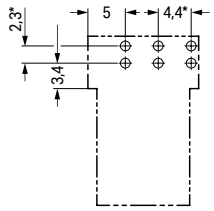


890-803/011-000

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L ⏚ N | 890-803/011-000 | 100 |
| white | A | L ⏚ N | 890-823/011-000 | 100 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 | 890-843/011-000 | 100 |
| light green | B | 1 2 3 | 890-863/011-000 | 100 |
| pink | B | 1 2 3 | 890-883/011-000 | 100 |




* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

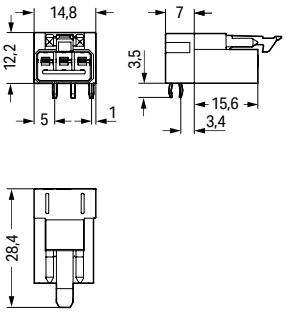
### angled ▸ Male connector/plug

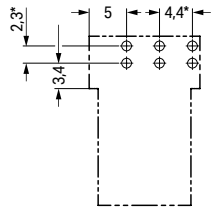


890-813/011-000

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N ⏚ L | 890-813/011-000 | 100 |
| white | A | N ⏚ L | 890-833/011-000 | 100 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 3 2 1 | 890-853/011-000 | 100 |
| light green | B | 3 2 1 | 890-873/011-000 | 100 |
| pink | B | 3 2 1 | 890-893/011-000 | 100 |




* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 3 ▶ Protection type: IP20; IP40 when mated





- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

| Electrical data | | | | | | |
|---|---|---|---|---|---|---|
| **Coding** | **A** | | | **B** | | |
| **Ratings per** | **IEC/EN 60664-1** | | | **IEC/EN 60664-1** | | |
| Overvoltage category | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 250 V | - | - | 250 V | - | - |
| Rated surge voltage | 4 kV | - | - | 4 kV | - | - |
| Rated current | 16 A | - | - | 16 A | - | - |
| Note (rated current) | | | | 13 A for 3-pole load | | |
| **Approvals per** | **UL 1977** | | | **UL 1977** | | |
| Rated voltage | 600 V | | | 600 V | | |
| Rated current | 14 A | | | 14 A | | |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | Approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | When locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | IP40 when mated |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

At least one snap-in connector **without** a locking lever is required on one side when connecting two lights directly via intermediate coupler.

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

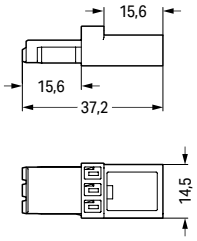
# Distribution connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 3 ▶ Protection type: IP20; IP40 when mated

Intermediate coupler



890-603

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● black | A | - | 890-603 | 50 |
| ○ white | A | - | 890-653 | 50 |




PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 3 ▶ Protection type: IP20; IP40 when mated

1

T-distribution connector

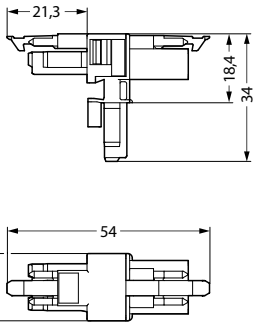
Number of locking levers: 2



890-606

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | L ⏚ N | **890-606** | 25 |
| ○ white | A | L ⏚ N | **890-656** | 25 |



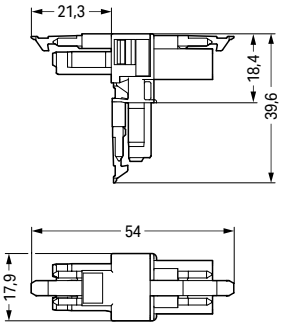

Number of locking levers: 3 ▶ for flying leads



890-615

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | L ⏚ N | **890-615** | 25 |
| ○ white | A | L ⏚ N | **890-665** | 25 |




**PU = packaging unit; SPU = subpackaging unit; Dimensions in mm**

# Distribution connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 3 ▶ Protection type: IP20; IP40 when mated

h-distribution connector, outputs on one side

Number of locking levers: 2



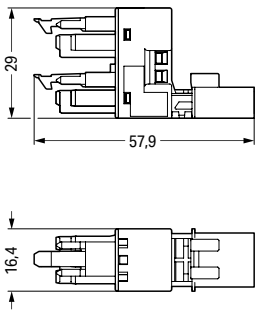

890-634

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | L ⏚ N | 890-634 | 50 |
| white | A | L ⏚ N | 890-684 | 50 |

Control technology

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 | 890-1661 | 50 |
| light green | B | 1 2 3 | 890-1662 | 50 |
| pink | B | 1 2 3 | 890-1663 | 50 |




Number of locking levers: 3 ▶ for flying leads



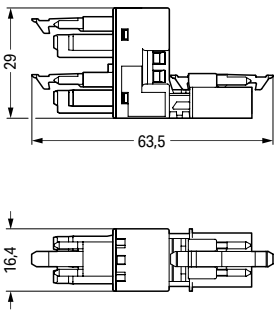

890-636

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | L ⏚ N | 890-636 | 50 |
| white | A | L ⏚ N | 890-686 | 50 |

Control technology

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 | 890-1761 | 50 |
| light green | B | 1 2 3 | 890-1762 | 50 |
| pink | B | 1 2 3 | 890-1763 | 50 |




Accessories; for all products on this page



Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole

| Color | Item no. | PU |
|---|---|---|
| black | 890-623 | 50 |
| white | 890-673 | 50 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series
## Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$





- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

| Electrical data | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Coding | A; B | | | A | | | B | | |
| Wire cross-section | 1 mm² | | | 1.5 mm² | | | 1.5 mm² | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 250 V | - | - | 250 V | - | - | 250 V | - | - |
| Rated surge voltage | 4 kV | - | - | 4 kV | - | - | 4 kV | - | - |
| Rated current | 10 A | - | - | 16 A | - | - | 16 A | - | - |
| Note (rated current) | | | | | | | 13 A for 3-pole load | | |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| Fire class per EN 50575 | $E_{ca}$ |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | when unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | when locked: > 80N |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

Cables with a different fire class can be found in the eShop.

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

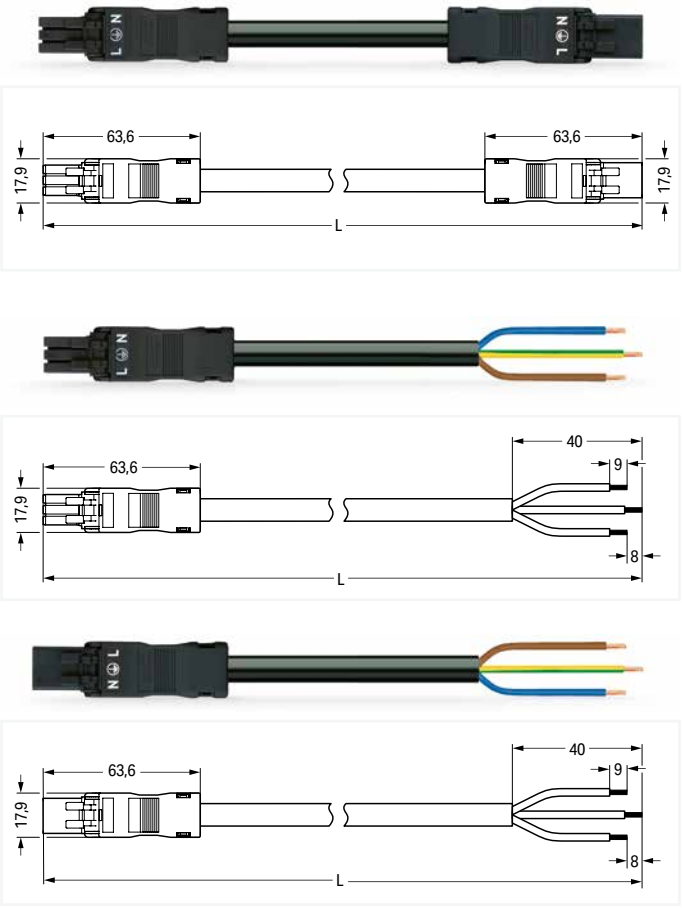
Cover Page 368

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 1 mm² ▶ Marking: L ⏚ N ▶ PVC ▶ Sheathed cable diameter: 6.3 … 8 mm ▶ H05VV-F 3G1 ▶ General mains applications




Interconnecting cable ▶ Socket - Plug ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8993/005-101 | 891-8993/005-102 | | 1 |
| 2 m | 891-8993/005-201 | 891-8993/005-202 | | 1 |
| 3 m | 891-8993/005-301 | 891-8993/005-302 | | 1 |
| 4 m | 891-8993/005-401 | 891-8993/005-402 | | 1 |
| 5 m | 891-8993/005-501 | 891-8993/005-502 | | 1 |
| 6 m | 891-8993/005-601 | 891-8993/005-602 | | 1 |
| 7 m | 891-8993/005-701 | 891-8993/005-702 | | 1 |
| 8 m | 891-8993/005-801 | 891-8993/005-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8993/105-101 | 891-8993/105-102 | | 1 |
| 2 m | 891-8993/105-201 | 891-8993/105-202 | | 1 |
| 3 m | 891-8993/105-301 | 891-8993/105-302 | | 1 |
| 4 m | 891-8993/105-401 | 891-8993/105-402 | | 1 |
| 5 m | 891-8993/105-501 | 891-8993/105-502 | | 1 |
| 6 m | 891-8993/105-601 | 891-8993/105-602 | | 1 |
| 7 m | 891-8993/105-701 | 891-8993/105-702 | | 1 |
| 8 m | 891-8993/105-801 | 891-8993/105-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8993/205-101 | 891-8993/205-102 | | 1 |
| 2 m | 891-8993/205-201 | 891-8993/205-202 | | 1 |
| 3 m | 891-8993/205-301 | 891-8993/205-302 | | 1 |
| 4 m | 891-8993/205-401 | 891-8993/205-402 | | 1 |
| 5 m | 891-8993/205-501 | 891-8993/205-502 | | 1 |
| 6 m | 891-8993/205-601 | 891-8993/205-602 | | 1 |
| 7 m | 891-8993/205-701 | 891-8993/205-702 | | 1 |
| 8 m | 891-8993/205-801 | 891-8993/205-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

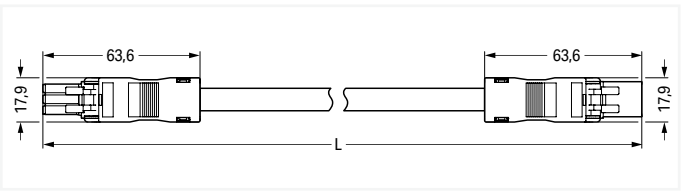
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

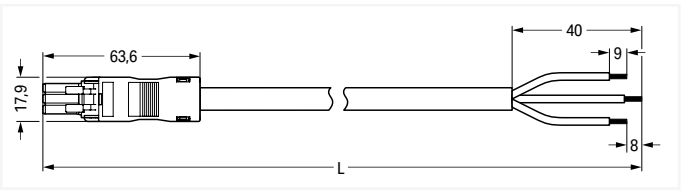
Pole number: 3 ▸ Fire class per EN 50575: $E_{ca}$ ▸ Coding: A ▸ 1 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ Sheathed cable diameter: 6.3 … 8 mm ▸ H05Z1Z1-F 3G1 ▸ General mains applications



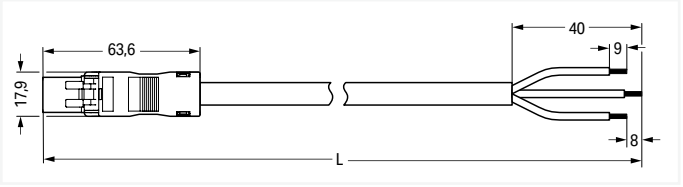









Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8993/015-101 | 891-8993/015-102 | | 1 |
| 2 m | 891-8993/015-201 | 891-8993/015-202 | | 1 |
| 3 m | 891-8993/015-301 | 891-8993/015-302 | | 1 |
| 4 m | 891-8993/015-401 | 891-8993/015-402 | | 1 |
| 5 m | 891-8993/015-501 | 891-8993/015-502 | | 1 |
| 6 m | 891-8993/015-601 | 891-8993/015-602 | | 1 |
| 7 m | 891-8993/015-701 | 891-8993/015-702 | | 1 |
| 8 m | 891-8993/015-801 | 891-8993/015-802 | | 1 |

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8993/115-101 | 891-8993/115-102 | | 1 |
| 2 m | 891-8993/115-201 | 891-8993/115-202 | | 1 |
| 3 m | 891-8993/115-301 | 891-8993/115-302 | | 1 |
| 4 m | 891-8993/115-401 | 891-8993/115-402 | | 1 |
| 5 m | 891-8993/115-501 | 891-8993/115-502 | | 1 |
| 6 m | 891-8993/115-601 | 891-8993/115-602 | | 1 |
| 7 m | 891-8993/115-701 | 891-8993/115-702 | | 1 |
| 8 m | 891-8993/115-801 | 891-8993/115-802 | | 1 |

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8993/215-101 | 891-8993/215-102 | | 1 |
| 2 m | 891-8993/215-201 | 891-8993/215-202 | | 1 |
| 3 m | 891-8993/215-301 | 891-8993/215-302 | | 1 |
| 4 m | 891-8993/215-401 | 891-8993/215-402 | | 1 |
| 5 m | 891-8993/215-501 | 891-8993/215-502 | | 1 |
| 6 m | 891-8993/215-601 | 891-8993/215-602 | | 1 |
| 7 m | 891-8993/215-701 | 891-8993/215-702 | | 1 |
| 8 m | 891-8993/215-801 | 891-8993/215-802 | | 1 |

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

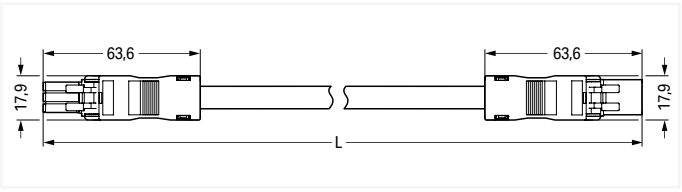
| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

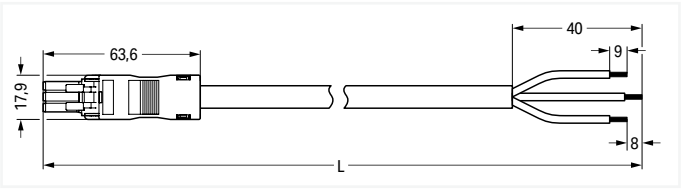
# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 1.5 mm² ▶ Marking: L ⏚ N ▶ PVC ▶ Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05VV-F 3G1.5 ▶ General mains applications

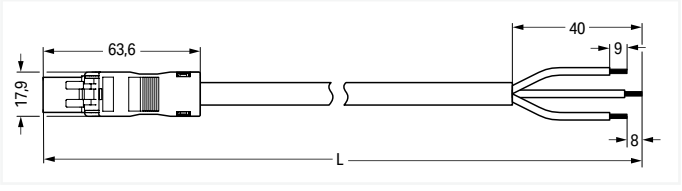









Interconnecting cable ▶ Socket - Plug ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8993/006-101 | 891-8993/006-102 | | 1 |
| 2 m | 891-8993/006-201 | 891-8993/006-202 | | 1 |
| 3 m | 891-8993/006-301 | 891-8993/006-302 | | 1 |
| 4 m | 891-8993/006-401 | 891-8993/006-402 | | 1 |
| 5 m | 891-8993/006-501 | 891-8993/006-502 | | 1 |
| 6 m | 891-8993/006-601 | 891-8993/006-602 | | 1 |
| 7 m | 891-8993/006-701 | 891-8993/006-702 | | 1 |
| 8 m | 891-8993/006-801 | 891-8993/006-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8993/106-101 | 891-8993/106-102 | | 1 |
| 2 m | 891-8993/106-201 | 891-8993/106-202 | | 1 |
| 3 m | 891-8993/106-301 | 891-8993/106-302 | | 1 |
| 4 m | 891-8993/106-401 | 891-8993/106-402 | | 1 |
| 5 m | 891-8993/106-501 | 891-8993/106-502 | | 1 |
| 6 m | 891-8993/106-601 | 891-8993/106-602 | | 1 |
| 7 m | 891-8993/106-701 | 891-8993/106-702 | | 1 |
| 8 m | 891-8993/106-801 | 891-8993/106-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8993/206-101 | 891-8993/206-102 | | 1 |
| 2 m | 891-8993/206-201 | 891-8993/206-202 | | 1 |
| 3 m | 891-8993/206-301 | 891-8993/206-302 | | 1 |
| 4 m | 891-8993/206-401 | 891-8993/206-402 | | 1 |
| 5 m | 891-8993/206-501 | 891-8993/206-502 | | 1 |
| 6 m | 891-8993/206-601 | 891-8993/206-602 | | 1 |
| 7 m | 891-8993/206-701 | 891-8993/206-702 | | 1 |
| 8 m | 891-8993/206-801 | 891-8993/206-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

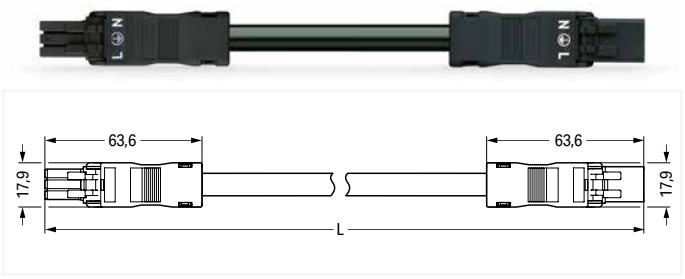
| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series

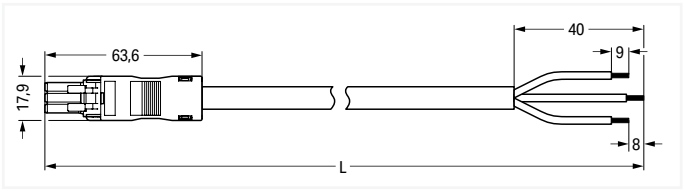
Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 1.5 mm² ▶ Marking: L ⏚ N ▶ Halogen-free ▶ Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05Z1Z1-F 3G1.5 ▶ General mains applications



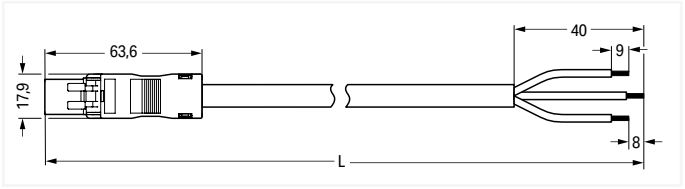









| Interconnecting cable ▶ Socket - Plug ▶ Protection type: IP20; IP40 when mated | | | | |
|---|---|---|---|---|
| Total length | Connector color / Strain relief color | | | PU |
| | black / black | white / white | | |
| 1 m | 891-8993/016-101 | 891-8993/016-102 | | 1 |
| 2 m | 891-8993/016-201 | 891-8993/016-202 | | 1 |
| 3 m | 891-8993/016-301 | 891-8993/016-302 | | 1 |
| 4 m | 891-8993/016-401 | 891-8993/016-402 | | 1 |
| 5 m | 891-8993/016-501 | 891-8993/016-502 | | 1 |
| 6 m | 891-8993/016-601 | 891-8993/016-602 | | 1 |
| 7 m | 891-8993/016-701 | 891-8993/016-702 | | 1 |
| 8 m | 891-8993/016-801 | 891-8993/016-802 | | 1 |

| Connecting cable ▶ Socket - free end ▶ Protection type: IP40 | | | | |
|---|---|---|---|---|
| Total length | Connector color / Strain relief color | | | PU |
| | black / black | white / white | | |
| 1 m | 891-8993/116-101 | 891-8993/116-102 | | 1 |
| 2 m | 891-8993/116-201 | 891-8993/116-202 | | 1 |
| 3 m | 891-8993/116-301 | 891-8993/116-302 | | 1 |
| 4 m | 891-8993/116-401 | 891-8993/116-402 | | 1 |
| 5 m | 891-8993/116-501 | 891-8993/116-502 | | 1 |
| 6 m | 891-8993/116-601 | 891-8993/116-602 | | 1 |
| 7 m | 891-8993/116-701 | 891-8993/116-702 | | 1 |
| 8 m | 891-8993/116-801 | 891-8993/116-802 | | 1 |

| Connecting cable ▶ Plug - free end ▶ Protection type: IP20; IP40 when mated | | | | |
|---|---|---|---|---|
| Total length | Connector color / Strain relief color | | | PU |
| | black / black | white / white | | |
| 1 m | 891-8993/216-101 | 891-8993/216-102 | | 1 |
| 2 m | 891-8993/216-201 | 891-8993/216-202 | | 1 |
| 3 m | 891-8993/216-301 | 891-8993/216-302 | | 1 |
| 4 m | 891-8993/216-401 | 891-8993/216-402 | | 1 |
| 5 m | 891-8993/216-501 | 891-8993/216-502 | | 1 |
| 6 m | 891-8993/216-601 | 891-8993/216-602 | | 1 |
| 7 m | 891-8993/216-701 | 891-8993/216-702 | | 1 |
| 8 m | 891-8993/216-801 | 891-8993/216-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



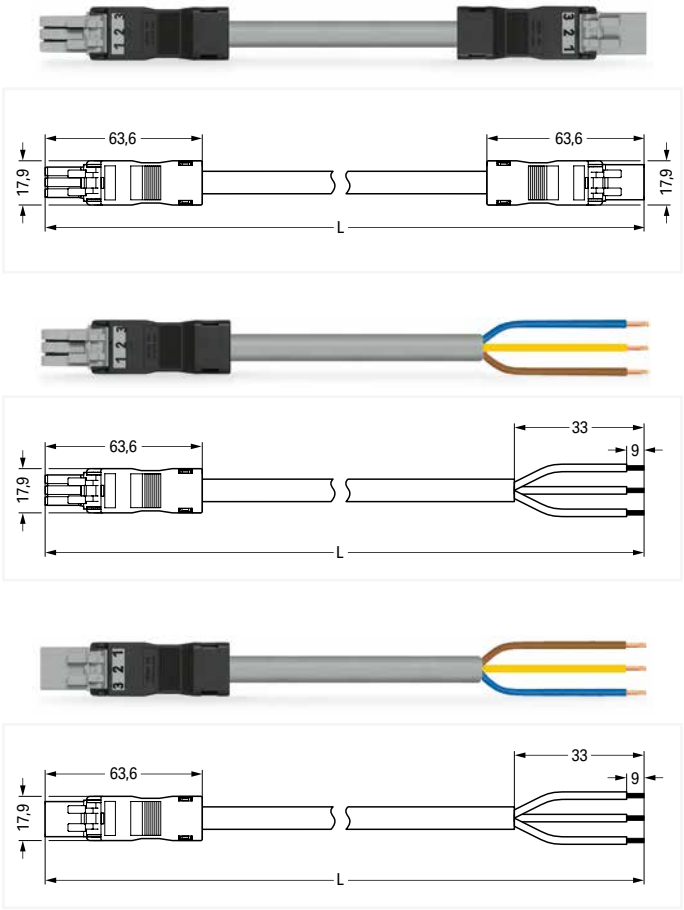
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: B ▶ 1 mm² ▶ Marking: 1 2 3 ▶ PVC ▶ Sheathed cable diameter: 6.3 … 8 mm ▶ Control line 3 x 1 ▶ Control technology




Interconnecting cable ▶ Socket - Plug ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8993/005-103 | 891-8993/005-105 | 891-8993/005-107 | 1 |
| 2 m | 891-8993/005-203 | 891-8993/005-205 | 891-8993/005-207 | 1 |
| 3 m | 891-8993/005-303 | 891-8993/005-305 | 891-8993/005-307 | 1 |
| 4 m | 891-8993/005-403 | 891-8993/005-405 | 891-8993/005-407 | 1 |
| 5 m | 891-8993/005-503 | 891-8993/005-505 | 891-8993/005-507 | 1 |
| 6 m | 891-8993/005-603 | 891-8993/005-605 | 891-8993/005-607 | 1 |
| 7 m | 891-8993/005-703 | 891-8993/005-705 | 891-8993/005-707 | 1 |
| 8 m | 891-8993/005-803 | 891-8993/005-805 | 891-8993/005-807 | 1 |

Connecting cable ▶ Socket - free end ▶ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8993/105-103 | 891-8993/105-105 | 891-8993/105-107 | 1 |
| 2 m | 891-8993/105-203 | 891-8993/105-205 | 891-8993/105-207 | 1 |
| 3 m | 891-8993/105-303 | 891-8993/105-305 | 891-8993/105-307 | 1 |
| 4 m | 891-8993/105-403 | 891-8993/105-405 | 891-8993/105-407 | 1 |
| 5 m | 891-8993/105-503 | 891-8993/105-505 | 891-8993/105-507 | 1 |
| 6 m | 891-8993/105-603 | 891-8993/105-605 | 891-8993/105-607 | 1 |
| 7 m | 891-8993/105-703 | 891-8993/105-705 | 891-8993/105-707 | 1 |
| 8 m | 891-8993/105-803 | 891-8993/105-805 | 891-8993/105-807 | 1 |

Connecting cable ▶ Plug - free end ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8993/205-103 | 891-8993/205-105 | 891-8993/205-107 | 1 |
| 2 m | 891-8993/205-203 | 891-8993/205-205 | 891-8993/205-207 | 1 |
| 3 m | 891-8993/205-303 | 891-8993/205-305 | 891-8993/205-307 | 1 |
| 4 m | 891-8993/205-403 | 891-8993/205-405 | 891-8993/205-407 | 1 |
| 5 m | 891-8993/205-503 | 891-8993/205-505 | 891-8993/205-507 | 1 |
| 6 m | 891-8993/205-603 | 891-8993/205-605 | 891-8993/205-607 | 1 |
| 7 m | 891-8993/205-703 | 891-8993/205-705 | 891-8993/205-707 | 1 |
| 8 m | 891-8993/205-803 | 891-8993/205-805 | 891-8993/205-807 | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

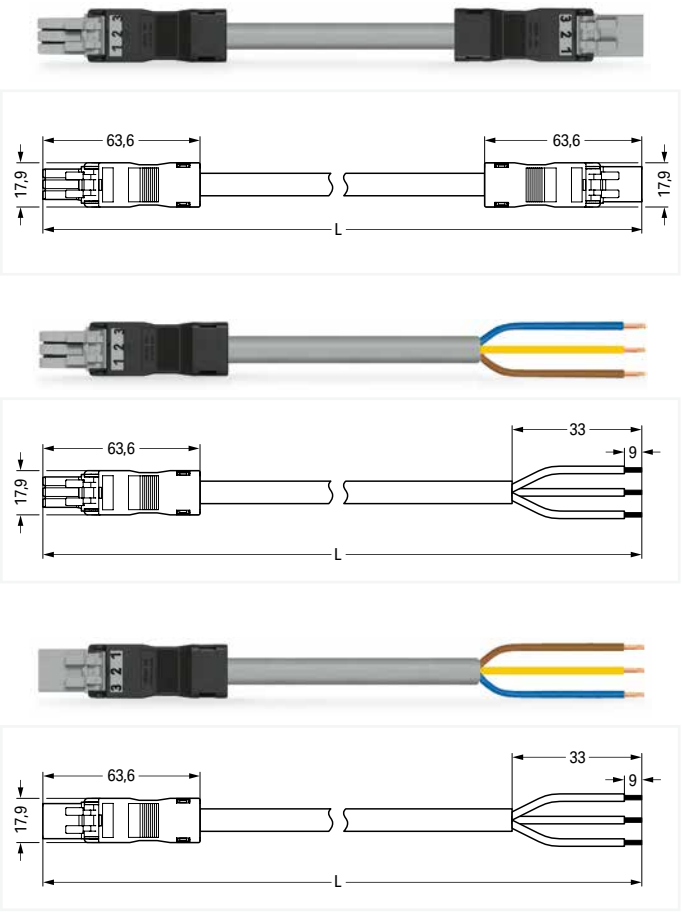
| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 3 ▸ Fire class per EN 50575: $E_{ca}$ ▸ Coding: B ▸ 1.5 mm² ▸ Marking: 1 2 3 ▸ PVC ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ Control line 3 x 1.5 ▸ Control technology






Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8993/006-103 | 891-8993/006-105 | 891-8993/006-107 | 1 |
| 2 m | 891-8993/006-203 | 891-8993/006-205 | 891-8993/006-207 | 1 |
| 3 m | 891-8993/006-303 | 891-8993/006-305 | 891-8993/006-307 | 1 |
| 4 m | 891-8993/006-403 | 891-8993/006-405 | 891-8993/006-407 | 1 |
| 5 m | 891-8993/006-503 | 891-8993/006-505 | 891-8993/006-507 | 1 |
| 6 m | 891-8993/006-603 | 891-8993/006-605 | 891-8993/006-607 | 1 |
| 7 m | 891-8993/006-703 | 891-8993/006-705 | 891-8993/006-707 | 1 |
| 8 m | 891-8993/006-803 | 891-8993/006-805 | 891-8993/006-807 | 1 |

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8993/106-103 | 891-8993/106-105 | 891-8993/106-107 | 1 |
| 2 m | 891-8993/106-203 | 891-8993/106-205 | 891-8993/106-207 | 1 |
| 3 m | 891-8993/106-303 | 891-8993/106-305 | 891-8993/106-307 | 1 |
| 4 m | 891-8993/106-403 | 891-8993/106-405 | 891-8993/106-407 | 1 |
| 5 m | 891-8993/106-503 | 891-8993/106-505 | 891-8993/106-507 | 1 |
| 6 m | 891-8993/106-603 | 891-8993/106-605 | 891-8993/106-607 | 1 |
| 7 m | 891-8993/106-703 | 891-8993/106-705 | 891-8993/106-707 | 1 |
| 8 m | 891-8993/106-803 | 891-8993/106-805 | 891-8993/106-807 | 1 |

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8993/206-103 | 891-8993/206-105 | 891-8993/206-107 | 1 |
| 2 m | 891-8993/206-203 | 891-8993/206-205 | 891-8993/206-207 | 1 |
| 3 m | 891-8993/206-303 | 891-8993/206-305 | 891-8993/206-307 | 1 |
| 4 m | 891-8993/206-403 | 891-8993/206-405 | 891-8993/206-407 | 1 |
| 5 m | 891-8993/206-503 | 891-8993/206-505 | 891-8993/206-507 | 1 |
| 6 m | 891-8993/206-603 | 891-8993/206-605 | 891-8993/206-607 | 1 |
| 7 m | 891-8993/206-703 | 891-8993/206-705 | 891-8993/206-707 | 1 |
| 8 m | 891-8993/206-803 | 891-8993/206-805 | 891-8993/206-807 | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▶ *WINSTA*® MINI ▶ 890 Series
Pole number: 4





- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology for direct termination of solid conductors
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

| Electrical data | | | | | | |
|---|---|---|---|---|---|---|
| Coding | A | | | B | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - | 6 kV | - | - |
| Rated current | 16 A | - | - | 16 A | - | - |
| Note (rated current) | | | | 13 A for 3-pole load<br>10 A for 4-pole load | | |
| Approvals per | UL 1977 | | | UL 1977 | | |
| Rated voltage | 600 V | | | 600 V | | |
| Rated current | 12 A | | | 12 A | | |

| Connection data | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Strip length | 9 mm / 0.35 inches |
| Nominal cross-section | 1.5 mm² / 16 AWG |
| Solid conductor | 0.25 … 1.5 mm² / 22 … 16 AWG |
| Solid conductor; push-in termination | 0.75 … 1.5 mm² / 20 … 16 AWG |
| Stranded conductor | 0.25 … 1 mm² / 22 … 18 AWG |
| Fine-stranded conductor | 0.25 … 1.5 mm² / 22 … 16 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 … 0.75 mm² / 22 … 20 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 … 0.75 mm² / 22 … 20 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 0.75 mm² / 20 AWG |

| Material Data | |
|---|---|
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).


| | |
|---|---|
| Cover | Page 368 |
| Shield termination | Page 367 |
| Tool | Page 392 |
| See technical section for further information | |
| Approvals and corresponding ratings, visit www.wago.com | |

# Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series
## Pole number: 4

Strain relief housing ▸ Female connector/socket ▸ Strip length (outer insulation): 45 mm ▸ Connectable sheathed cable diameter: 6.5 … 10.5 mm ▸ Protection type: IP40

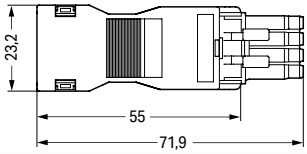


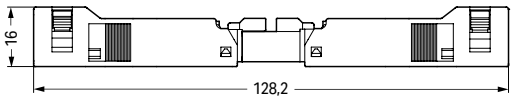
890-104

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | N ⏚ 2/L 1/L' | 890-104 | 50 |
| ○ white | A | N ⏚ 2/L 1/L' | 890-124 | 50 |




Overall length when mated

Strain relief housing ▸ Male connector/plug ▸ Strip length (outer insulation): 45 mm ▸ Connectable sheathed cable diameter: 6.5 … 10.5 mm ▸ Protection type: IP40

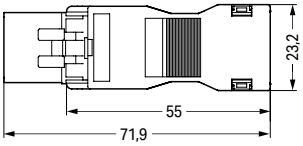


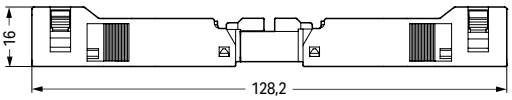
890-114

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | 1/L' 2/L ⏚ N | 890-114 | 50 |
| ○ white | A | 1/L' 2/L ⏚ N | 890-134 | 50 |




Overall length when mated

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |



Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole number: 4

| Color | Item no. | PU |
|---|---|---|
| ● green | 890-384 | 1 |

**PU = packaging unit; SPU = subpackaging unit; Dimensions in mm**

# Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series
## Pole number: 4

1

Female connector/socket ▸ Protection type: IP20; IP40 with strain relief housing



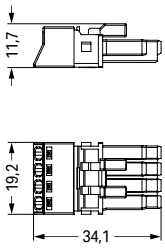
890-204

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | N ⏚ 2/L 1/L' | 890-204 | 50 |
| white | A | N ⏚ 2/L 1/L' | 890-224 | 50 |

Control technology

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 4 | 890-244 | 50 |
| gray | B | N ⏚ 2/L 1/L' | 890-244/060-000 | 50 |
| gray | B | 3 PE 2 1 | 890-244/062-000 | 50 |
| gray | B | 2L ⏚ 1L L | 890-244/064-000 | 50 |
| light green | B | 1 2 3 4 | 890-264 | 50 |
| light green | B | U- S U+ X/Y | 890-264/071-000 | 50 |
| light green | B | U- U+ DI AI | 890-264/072-000 | 50 |
| light green | B | 1 ⏚ 2 3 | 890-264/073-000 | 50 |
| pink | B | 1 2 3 4 | 890-284 | 50 |
| pink | B | 1 2 5 3 | 890-284/081-000 | 50 |




Male connector/plug ▸ Protection type: IP20; IP40 when mated with strain relief housing



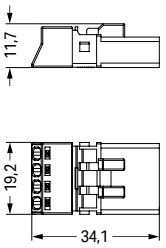
890-214

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | 1/L' 2/L ⏚ N | 890-214 | 50 |
| white | A | 1/L' 2/L ⏚ N | 890-234 | 50 |

Control technology

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 4 3 2 1 | 890-254 | 50 |
| gray | B | 1/L' 2/L ⏚ N | 890-254/060-000 | 50 |
| gray | B | 1 2 PE 3 | 890-254/062-000 | 50 |
| gray | B | L 1L ⏚ 2L | 890-254/064-000 | 50 |
| light green | B | 4 3 2 1 | 890-274 | 50 |
| light green | B | X/Y U+ S U- | 890-274/071-000 | 50 |
| light green | B | AI DI U+ U- | 890-274/072-000 | 50 |
| light green | B | 3 2 ⏚ 1 | 890-274/073-000 | 50 |
| pink | B | 4 3 2 1 | 890-294 | 50 |
| pink | B | 3 5 2 1 | 890-294/081-000 | 50 |




**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 890-101 | 100 (50) |
| white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 890-111 | 100 (50) |
| white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| black | 890-310 | 100 |
| white | 890-311 | 100 |



Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole number: 4

| Color | Item no. | PU |
|---|---|---|
| green | 890-384 | 1 |



Strain relief housing; Connectable sheathed cable diameter: 6.5 … 10.5 mm; Strip length (outer insulation): 45 mm

| Color | Item no. | PU |
|---|---|---|
| black | 890-504 | 50 |
| white | 890-514 | 50 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Snap-in device connector ▶ *WINSTA*® MINI ▶ 890 Series
Pole number: 4





- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

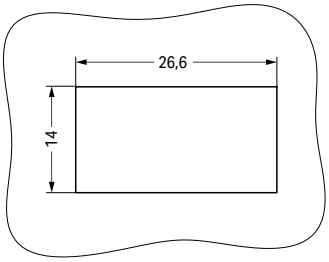



Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

| Electrical data | | | | | | |
|---|---|---|---|---|---|---|
| Coding | A | | | B | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - | 6 kV | - | - |
| Rated current | 16 A | - | - | 16 A | - | - |
| Note (rated current) | | | | 13 A for 3-pole load<br>10 A for 4-pole load | | |
| Approvals per | UL 1977 | | | UL 1977 | | |
| Rated voltage | 600 V | | | 600 V | | |
| Rated current | 12 A | | | 12 A | | |

| Connection data | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Strip length | 9 mm / 0.35 inches |
| Nominal cross-section | 1.5 mm² / 16 AWG |
| Solid conductor | 0.25 … 1.5 mm² / 22 … 16 AWG |
| Solid conductor; push-in termination | 0.75 … 1.5 mm² / 20 … 16 AWG |
| Stranded conductor | 0.25 … 1 mm² / 22 … 18 AWG |
| Fine-stranded conductor | 0.25 … 1.5 mm² / 22 … 16 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 … 0.75 mm² / 22 … 20 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 … 0.75 mm² / 22 … 20 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 0.75 mm² / 20 AWG |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Tool Page 392

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Snap-in device connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 4

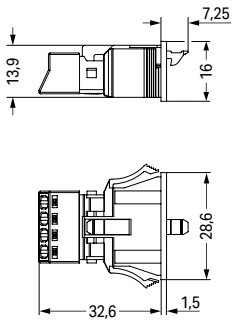
Female connector/socket ▶ Protection type: IP40



890-704

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU (SPU) |
| black | A | N ⏚ 2/L 1/L' | 890-704 | 50 (50) |
| white | A | N ⏚ 2/L 1/L' | 890-724 | 50 (50) |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU (SPU) |
| gray | B | 1 2 3 4 | 890-744 | 50 (50) |
| gray | B | N ⏚ 2/L 1/L' | 890-744/060-000 | 50 (50) |
| gray | B | 3 PE 2 1 | 890-744/062-000 | 50 (50) |
| gray | B | 2L ⏚ 1L L | 890-744/064-000 | 50 (50) |
| light green | B | 1 2 3 4 | 890-764 | 50 (50) |
| light green | B | U- S U+ X/Y | 890-764/071-000 | 50 (50) |
| light green | B | U- U+ DI AI | 890-764/072-000 | 50 (50) |
| light green | B | 1 ⏚ 2 3 | 890-764/073-000 | 50 (50) |
| pink | B | 1 2 3 4 | 890-784 | 50 (50) |
| pink | B | 1 2 5 3 | 890-784/081-000 | 50 (50) |



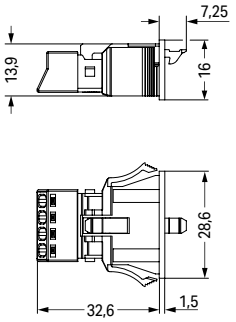

Male connector/plug ▶ Protection type: IP20; IP40 when mated



890-714

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU (SPU) |
| black | A | 1/L' 2/L ⏚ N | 890-714 | 50 (50) |
| white | A | 1/L' 2/L ⏚ N | 890-734 | 50 (50) |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU (SPU) |
| gray | B | 4 3 2 1 | 890-754 | 50 (50) |
| gray | B | 1/L' 2/L ⏚ N | 890-754/060-000 | 50 (50) |
| gray | B | 1 2 PE 3 | 890-754/062-000 | 50 (50) |
| gray | B | L 1L ⏚ 2L | 890-754/064-000 | 50 (50) |
| light green | B | 4 3 2 1 | 890-774 | 50 (50) |
| light green | B | X/Y U+ S U- | 890-774/071-000 | 50 (50) |
| light green | B | AI DI U+ U- | 890-774/072-000 | 50 (50) |
| light green | B | 3 2 ⏚ 1 | 890-774/073-000 | 50 (50) |
| pink | B | 4 3 2 1 | 890-794 | 50 (50) |
| pink | B | 3 5 2 1 | 890-794/081-000 | 50 (50) |




### Accessories; for all products on this page



Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole number: 4

| Color | Item no. | PU |
|---|---|---|
| green | 890-384 | 1 |



Lockout cap; for cutout; Pole number: 4

| Color | Item no. | PU |
|---|---|---|
| black | 890-644 | 100 |
| white | 890-694 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable PCB connector ▶ *WINSTA*® MINI ▶ 890 Series
Pole number: 4






- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing

| Electrical data | | | | | | |
|---|---|---|---|---|---|---|
| **Coding** | **A** | | | **B** | | |
| **Ratings per** | **IEC/EN 60664-1** | | | **IEC/EN 60664-1** | | |
| Overvoltage category | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 250 V | - | - | 250 V | - | - |
| Rated surge voltage | 4 kV | - | - | 4 kV | - | - |
| Rated current | 16 A | - | - | 16 A | - | - |
| Note (rated current) | | | | 13 A for 3-pole load<br>10 A for 4-pole load | | |
| **Approvals per** | **UL 1977** | | | **UL 1977** | | |
| Rated voltage | 600 V | | | 600 V | | |
| Rated current | 12 A | | | 12 A | | |

| Material Data | |
|---|---|
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Solder pin arrangement | 2 in-line solder pins/pole |
| Number of solder pins per potential | 2 |
| Solder pin length | 3.5 mm |
| Solder pin dimensions | 1 x 0.8 mm |
| Drilled hole diameter with tolerance | 1.3 $^{(+0.1)}$ mm |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series

## Pole number: 4

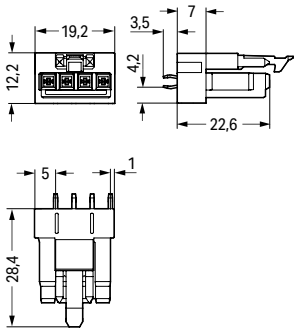
straight ▸ Female connector/socket

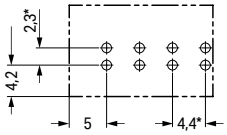



890-804

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N ⏚ 2/L 1/L' | 890-804 | 50 |
| white | A | N ⏚ 2/L 1/L' | 890-824 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 4 | 890-844 | 50 |
| light green | B | 1 2 3 4 | 890-864 | 50 |
| pink | B | 1 2 3 4 | 890-884 | 50 |




* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

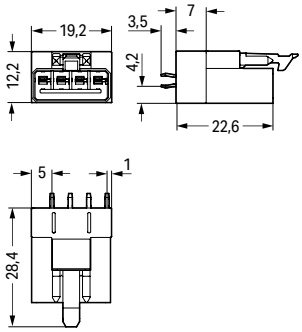
straight ▸ Male connector/plug

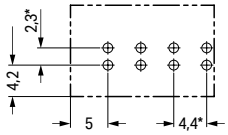



890-814

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | 1/L' 2/L ⏚ N | 890-814 | 50 |
| white | A | 1/L' 2/L ⏚ N | 890-834 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 4 3 2 1 | 890-854 | 50 |
| light green | B | 4 3 2 1 | 890-874 | 50 |
| pink | B | 4 3 2 1 | 890-894 | 50 |




* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series
## Pole number: 4

1

angled ▸ Female connector/socket



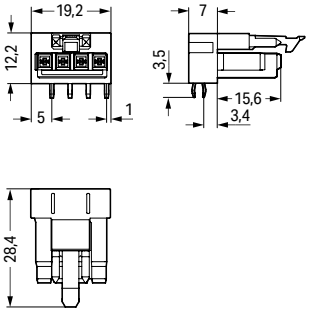
890-804/011-000

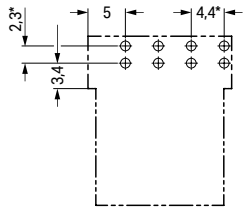
General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | N ⏚ 2/L 1/L' | 890-804/011-000 | 50 |
| white | A | N ⏚ 2/L 1/L' | 890-824/011-000 | 50 |

Control technology

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 4 | 890-844/011-000 | 50 |
| light green | B | 1 2 3 4 | 890-864/011-000 | 50 |
| pink | B | 1 2 3 4 | 890-884/011-000 | 50 |




* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

angled ▸ Male connector/plug



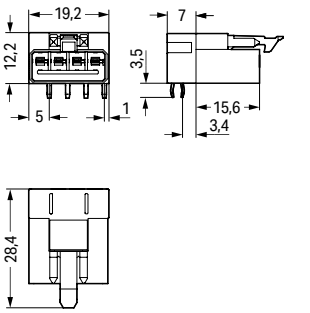
890-814/011-000

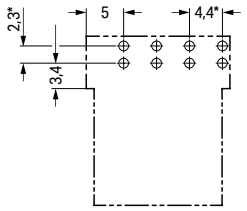
General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | 1/L' 2/L ⏚ N | 890-814/011-000 | 50 |
| white | A | 1/L' 2/L ⏚ N | 890-834/011-000 | 50 |

Control technology

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 4 3 2 1 | 890-854/011-000 | 50 |
| light green | B | 4 3 2 1 | 890-874/011-000 | 50 |
| pink | B | 4 3 2 1 | 890-894/011-000 | 50 |




* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 4 ▶ Protection type: IP20; IP40 when mated





- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

| Electrical data | | | | | | |
|---|---|---|---|---|---|---|
| **Coding** | **A** | | | **B** | | |
| **Ratings per** | **IEC/EN 60664-1** | | | **IEC/EN 60664-1** | | |
| Overvoltage category | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - | 6 kV | - | - |
| Rated current | 16 A | - | - | 16 A | - | - |
| Note (rated current) | | | | 13 A for 3-pole load<br>10 A for 4-pole load | | |
| **Approvals per** | **UL 1977** | | | **UL 1977** | | |
| Rated voltage | 600 V | | | 600 V | | |
| Rated current | 12 A | | | 12 A | | |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | Approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | When locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | IP40 when mated |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

At least one snap-in connector **without** a locking lever is required on one side when connecting two lights directly via intermediate coupler.

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Distribution connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 4 ▶ Protection type: IP20; IP40 when mated

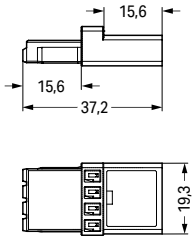
Intermediate coupler



890-604

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | - | 890-604 | 50 |
| ○ white | A | - | 890-654 | 50 |




PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 4 ▶ Protection type: IP20; IP40 when mated

1

T-distribution connector

Number of locking levers: 2



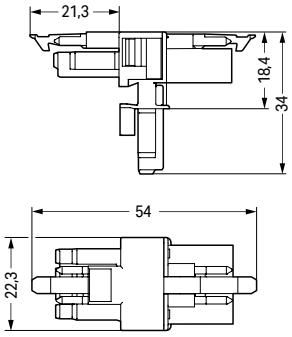
890-626

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | N ⏚ 2/L 1/L' | 890-626 | 25 |
| white | A | N ⏚ 2/L 1/L' | 890-676 | 25 |

Control technology

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 4 3 2 1 | 890-1631 | 25 |
| light green | B | 4 3 2 1 | 890-1632 | 25 |
| pink | B | 4 3 2 1 | 890-1633 | 25 |




Number of locking levers: 3 ▶ for flying leads



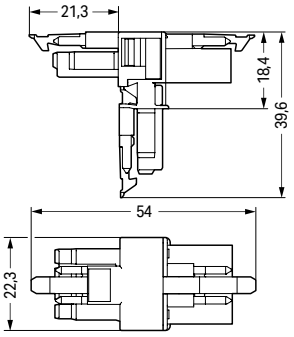
890-627

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | N ⏚ 2/L 1/L' | 890-627 | 25 |
| white | A | N ⏚ 2/L 1/L' | 890-677 | 25 |

Control technology

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 4 3 2 1 | 890-1731 | 25 |
| light green | B | 4 3 2 1 | 890-1732 | 25 |
| pink | B | 4 3 2 1 | 890-1733 | 25 |




PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 4 ▶ Protection type: IP20; IP40 when mated

h-distribution connector, outputs on one side

Number of locking levers: 2



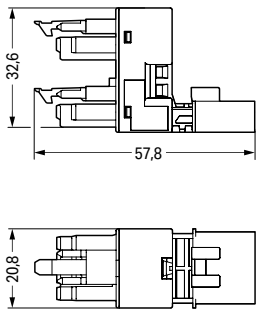
890-944

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | N ⏚ 2/L 1/L' | 890-944 | 50 |
| white | A | N ⏚ 2/L 1/L' | 890-994 | 50 |

Control technology

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 4 | 890-1681 | 50 |
| light green | B | 1 2 3 4 | 890-1682 | 50 |
| pink | B | 1 2 3 4 | 890-1683 | 50 |




Number of locking levers: 3 ▶ for flying leads



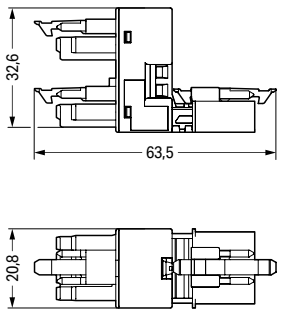
890-945

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | N ⏚ 2/L 1/L' | 890-945 | 50 |
| white | A | N ⏚ 2/L 1/L' | 890-995 | 50 |

Control technology

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 4 | 890-1781 | 50 |
| light green | B | 1 2 3 4 | 890-1782 | 50 |
| pink | B | 1 2 3 4 | 890-1783 | 50 |




Accessories; for all products on this page



Mounting plate; for distribution connectors (except T-distribution connectors); 4-pole

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 890-624 | 50 (50) |
| white | 890-674 | 50 (50) |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 4 ▶ Protection type: IP20; IP40 when mated

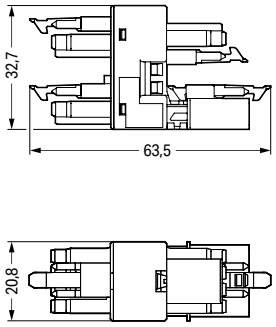
Distribution connector, 3-way ▶ Number of locking levers: 4





890-1734

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 4 | 890-1734 | 50 |
| light green | B | 1 2 3 4 | 890-1735 | 50 |
| pink | B | 1 2 3 4 | 890-1736 | 50 |




**Accessories; for all products on this page**



Mounting plate; for distribution connectors (except T-distribution connectors); 4-pole

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 890-624 | 50 (50) |
| white | 890-674 | 50 (50) |

**PU = packaging unit; SPU = subpackaging unit; Dimensions in mm**

# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series
## Pole number: 4 ▶ Fire class per EN 50575: $E_{ca}$





- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

| Electrical data | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Coding** | **A** | | | **B** | | | **B** | | |
| **Wire cross-section** | **1.5 mm²** | | | **1 mm²** | | | **1.5 mm²** | | |
| **Ratings per** | **IEC/EN 60664-1** | | | **IEC/EN 60664-1** | | | **IEC/EN 60664-1** | | |
| Overvoltage category | III | III | II | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 400 V | - | - | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - | 6 kV | - | - | 6 kV | - | - |
| Rated current | 16 A | - | - | 10 A | - | - | 16 A | - | - |
| Note (rated current) | | | | | | | 13 A for 3-pole load<br>10 A for 4-pole load | | |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| Fire class per EN 50575 | $E_{ca}$ |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | when unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | when locked: > 80N |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

Cables with a different fire class can be found in the eS-hop.

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

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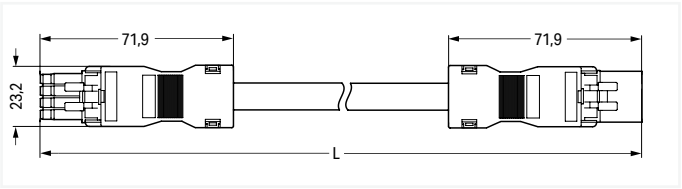
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

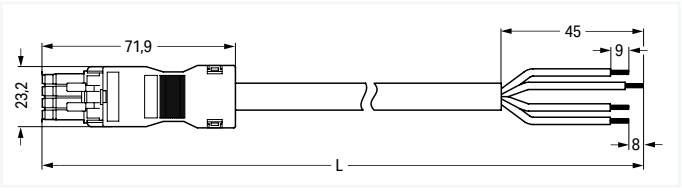
# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series

Pole number: 4 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 1.5 mm² ▶ Marking: N ⏚ 2/L 1/L' ▶ PVC ▶ Sheathed cable diameter: 8.4 … 10.5 mm ▶ H05VV-F 4G1.5 ▶ General mains applications

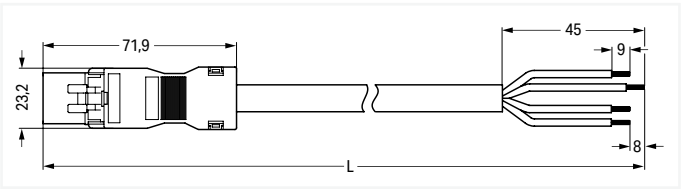









Interconnecting cable ▶ Socket - Plug ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8994/006-101 | 891-8994/006-102 | | 1 |
| 2 m | 891-8994/006-201 | 891-8994/006-202 | | 1 |
| 3 m | 891-8994/006-301 | 891-8994/006-302 | | 1 |
| 4 m | 891-8994/006-401 | 891-8994/006-402 | | 1 |
| 5 m | 891-8994/006-501 | 891-8994/006-502 | | 1 |
| 6 m | 891-8994/006-601 | 891-8994/006-602 | | 1 |
| 7 m | 891-8994/006-701 | 891-8994/006-702 | | 1 |
| 8 m | 891-8994/006-801 | 891-8994/006-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8994/106-101 | 891-8994/106-102 | | 1 |
| 2 m | 891-8994/106-201 | 891-8994/106-202 | | 1 |
| 3 m | 891-8994/106-301 | 891-8994/106-302 | | 1 |
| 4 m | 891-8994/106-401 | 891-8994/106-402 | | 1 |
| 5 m | 891-8994/106-501 | 891-8994/106-502 | | 1 |
| 6 m | 891-8994/106-601 | 891-8994/106-602 | | 1 |
| 7 m | 891-8994/106-701 | 891-8994/106-702 | | 1 |
| 8 m | 891-8994/106-801 | 891-8994/106-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8994/206-101 | 891-8994/206-102 | | 1 |
| 2 m | 891-8994/206-201 | 891-8994/206-202 | | 1 |
| 3 m | 891-8994/206-301 | 891-8994/206-302 | | 1 |
| 4 m | 891-8994/206-401 | 891-8994/206-402 | | 1 |
| 5 m | 891-8994/206-501 | 891-8994/206-502 | | 1 |
| 6 m | 891-8994/206-601 | 891-8994/206-602 | | 1 |
| 7 m | 891-8994/206-701 | 891-8994/206-702 | | 1 |
| 8 m | 891-8994/206-801 | 891-8994/206-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

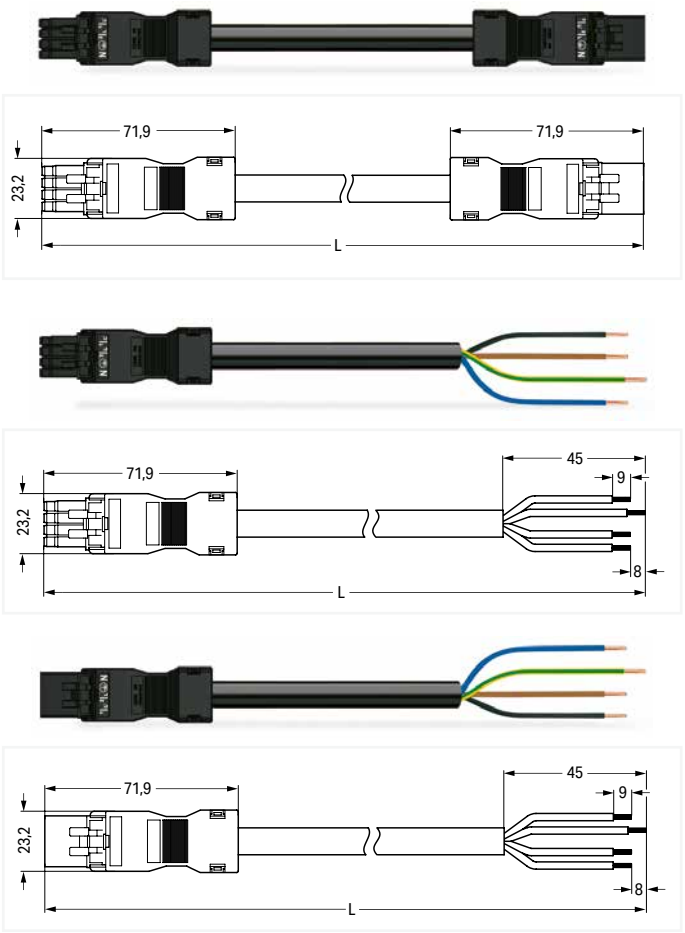
| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series

Pole number: 4 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 1.5 mm² ▶ Marking: N ⏚ 2/L 1/L' ▶ Halogen-free ▶ Sheathed cable diameter: 8.4 … 10.5 mm ▶ H05Z1Z1-F 4G1.5 ▶ General mains applications






Interconnecting cable ▶ Socket - Plug ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8994/016-101 | 891-8994/016-102 | | 1 |
| 2 m | 891-8994/016-201 | 891-8994/016-202 | | 1 |
| 3 m | 891-8994/016-301 | 891-8994/016-302 | | 1 |
| 4 m | 891-8994/016-401 | 891-8994/016-402 | | 1 |
| 5 m | 891-8994/016-501 | 891-8994/016-502 | | 1 |
| 6 m | 891-8994/016-601 | 891-8994/016-602 | | 1 |
| 7 m | 891-8994/016-701 | 891-8994/016-702 | | 1 |
| 8 m | 891-8994/016-801 | 891-8994/016-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8994/116-101 | 891-8994/116-102 | | 1 |
| 2 m | 891-8994/116-201 | 891-8994/116-202 | | 1 |
| 3 m | 891-8994/116-301 | 891-8994/116-302 | | 1 |
| 4 m | 891-8994/116-401 | 891-8994/116-402 | | 1 |
| 5 m | 891-8994/116-501 | 891-8994/116-502 | | 1 |
| 6 m | 891-8994/116-601 | 891-8994/116-602 | | 1 |
| 7 m | 891-8994/116-701 | 891-8994/116-702 | | 1 |
| 8 m | 891-8994/116-801 | 891-8994/116-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8994/216-101 | 891-8994/216-102 | | 1 |
| 2 m | 891-8994/216-201 | 891-8994/216-202 | | 1 |
| 3 m | 891-8994/216-301 | 891-8994/216-302 | | 1 |
| 4 m | 891-8994/216-401 | 891-8994/216-402 | | 1 |
| 5 m | 891-8994/216-501 | 891-8994/216-502 | | 1 |
| 6 m | 891-8994/216-601 | 891-8994/216-602 | | 1 |
| 7 m | 891-8994/216-701 | 891-8994/216-702 | | 1 |
| 8 m | 891-8994/216-801 | 891-8994/216-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

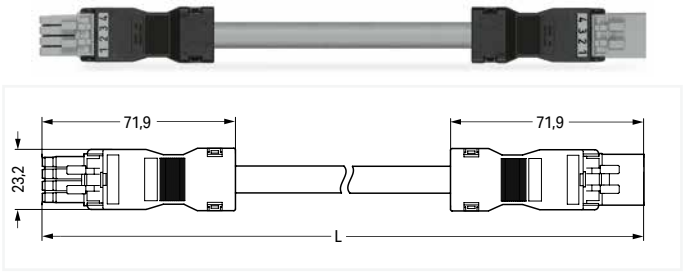
| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series

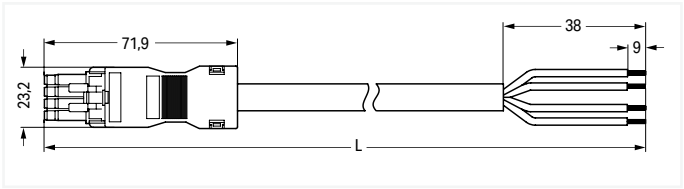
Pole number: 4 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: B ▶ 1 mm² ▶ Marking: 1 2 3 4 ▶ PVC ▶ Sheathed cable diameter: 7.1 … 9 mm ▶ Control line 4 x 1 ▶ Control technology



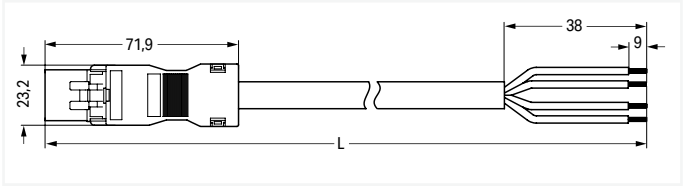









**Interconnecting cable ▶ Socket - Plug ▶ Protection type: IP20; IP40 when mated**

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8994/005-103 | 891-8994/005-105 | 891-8994/005-107 | 1 |
| 2 m | 891-8994/005-203 | 891-8994/005-205 | 891-8994/005-207 | 1 |
| 3 m | 891-8994/005-303 | 891-8994/005-305 | 891-8994/005-307 | 1 |
| 4 m | 891-8994/005-403 | 891-8994/005-405 | 891-8994/005-407 | 1 |
| 5 m | 891-8994/005-503 | 891-8994/005-505 | 891-8994/005-507 | 1 |
| 6 m | 891-8994/005-603 | 891-8994/005-605 | 891-8994/005-607 | 1 |
| 7 m | 891-8994/005-703 | 891-8994/005-705 | 891-8994/005-707 | 1 |
| 8 m | 891-8994/005-803 | 891-8994/005-805 | 891-8994/005-807 | 1 |

**Connecting cable ▶ Socket - free end ▶ Protection type: IP40**

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8994/105-103 | 891-8994/105-105 | 891-8994/105-107 | 1 |
| 2 m | 891-8994/105-203 | 891-8994/105-205 | 891-8994/105-207 | 1 |
| 3 m | 891-8994/105-303 | 891-8994/105-305 | 891-8994/105-307 | 1 |
| 4 m | 891-8994/105-403 | 891-8994/105-405 | 891-8994/105-407 | 1 |
| 5 m | 891-8994/105-503 | 891-8994/105-505 | 891-8994/105-507 | 1 |
| 6 m | 891-8994/105-603 | 891-8994/105-605 | 891-8994/105-607 | 1 |
| 7 m | 891-8994/105-703 | 891-8994/105-705 | 891-8994/105-707 | 1 |
| 8 m | 891-8994/105-803 | 891-8994/105-805 | 891-8994/105-807 | 1 |

**Connecting cable ▶ Plug - free end ▶ Protection type: IP20; IP40 when mated**

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8994/205-103 | 891-8994/205-105 | 891-8994/205-107 | 1 |
| 2 m | 891-8994/205-203 | 891-8994/205-205 | 891-8994/205-207 | 1 |
| 3 m | 891-8994/205-303 | 891-8994/205-305 | 891-8994/205-307 | 1 |
| 4 m | 891-8994/205-403 | 891-8994/205-405 | 891-8994/205-407 | 1 |
| 5 m | 891-8994/205-503 | 891-8994/205-505 | 891-8994/205-507 | 1 |
| 6 m | 891-8994/205-603 | 891-8994/205-605 | 891-8994/205-607 | 1 |
| 7 m | 891-8994/205-703 | 891-8994/205-705 | 891-8994/205-707 | 1 |
| 8 m | 891-8994/205-803 | 891-8994/205-805 | 891-8994/205-807 | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

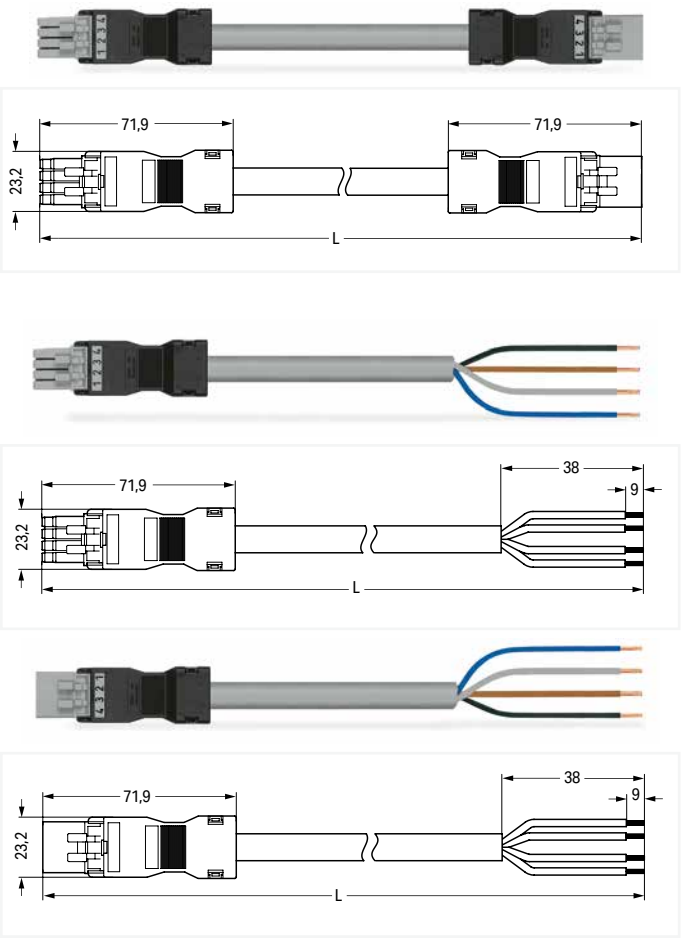
| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 4 ▸ Fire class per EN 50575: $E_{ca}$ ▸ Coding: B ▸ 1.5 mm² ▸ Marking: 1 2 3 4 ▸ PVC ▸ Sheathed cable diameter: 8.4 … 10.5 mm ▸ Control line 4 x 1.5 ▸ Control technology






Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8994/006-103 | 891-8994/006-105 | 891-8994/006-107 | 1 |
| 2 m | 891-8994/006-203 | 891-8994/006-205 | 891-8994/006-207 | 1 |
| 3 m | 891-8994/006-303 | 891-8994/006-305 | 891-8994/006-307 | 1 |
| 4 m | 891-8994/006-403 | 891-8994/006-405 | 891-8994/006-407 | 1 |
| 5 m | 891-8994/006-503 | 891-8994/006-505 | 891-8994/006-507 | 1 |
| 6 m | 891-8994/006-603 | 891-8994/006-605 | 891-8994/006-607 | 1 |
| 7 m | 891-8994/006-703 | 891-8994/006-705 | 891-8994/006-707 | 1 |
| 8 m | 891-8994/006-803 | 891-8994/006-805 | 891-8994/006-807 | 1 |

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8994/106-103 | 891-8994/106-105 | 891-8994/106-107 | 1 |
| 2 m | 891-8994/106-203 | 891-8994/106-205 | 891-8994/106-207 | 1 |
| 3 m | 891-8994/106-303 | 891-8994/106-305 | 891-8994/106-307 | 1 |
| 4 m | 891-8994/106-403 | 891-8994/106-405 | 891-8994/106-407 | 1 |
| 5 m | 891-8994/106-503 | 891-8994/106-505 | 891-8994/106-507 | 1 |
| 6 m | 891-8994/106-603 | 891-8994/106-605 | 891-8994/106-607 | 1 |
| 7 m | 891-8994/106-703 | 891-8994/106-705 | 891-8994/106-707 | 1 |
| 8 m | 891-8994/106-803 | 891-8994/106-805 | 891-8994/106-807 | 1 |

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8994/206-103 | 891-8994/206-105 | 891-8994/206-107 | 1 |
| 2 m | 891-8994/206-203 | 891-8994/206-205 | 891-8994/206-207 | 1 |
| 3 m | 891-8994/206-303 | 891-8994/206-305 | 891-8994/206-307 | 1 |
| 4 m | 891-8994/206-403 | 891-8994/206-405 | 891-8994/206-407 | 1 |
| 5 m | 891-8994/206-503 | 891-8994/206-505 | 891-8994/206-507 | 1 |
| 6 m | 891-8994/206-603 | 891-8994/206-605 | 891-8994/206-607 | 1 |
| 7 m | 891-8994/206-703 | 891-8994/206-705 | 891-8994/206-707 | 1 |
| 8 m | 891-8994/206-803 | 891-8994/206-805 | 891-8994/206-807 | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▶ *WINSTA*® MINI ▶ 890 Series
Pole number: 5





- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology for direct termination of solid conductors
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

| Electrical data | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Coding | A | | | B | | | I | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 400 V | - | - | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - | 6 kV | - | - | 6 kV | - | - |
| Rated current | 13 A | - | - | 16 A | - | - | 16 A | - | - |
| Note (rated current) | | | | 13 A for 3-pole load<br>10 A for 4- and 5-pole load | | | | | |
| Approvals per | UL 1977 | | | UL 1977 | | | UL 1977 | | |
| Rated voltage | 600 V | | | 600 V | | | 600 V | | |
| Rated current | 12 A | | | 12 A | | | 12 A | | |

| Connection data | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Strip length | 9 mm / 0.35 inches |
| Nominal cross-section | 1.5 mm² / 16 AWG |
| Solid conductor | 0.25 … 1.5 mm² / 22 … 16 AWG |
| Solid conductor; push-in termination | 0.75 … 1.5 mm² / 20 … 16 AWG |
| Stranded conductor | 0.25 … 1 mm² / 22 … 18 AWG |
| Fine-stranded conductor | 0.25 … 1.5 mm² / 22 … 16 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 … 0.75 mm² / 22 … 20 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 … 0.75 mm² / 22 … 20 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 0.75 mm² / 20 AWG |

| Material Data | |
|---|---|
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).


| | |
|---|---|
| Cover | Page 368 |
| Shield termination | Page 367 |
| Tool | Page 392 |
| See technical section for further information | |
| Approvals and corresponding ratings, visit www.wago.com | |

# Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series
## Pole number: 5

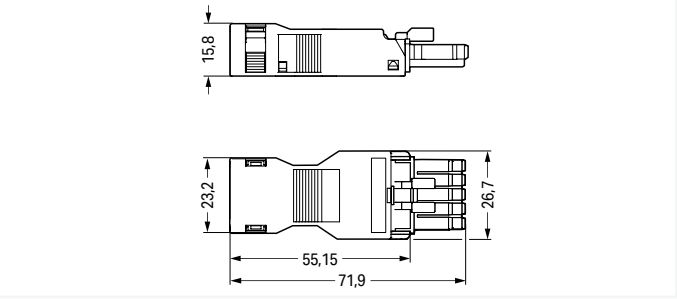
Strain relief housing ▸ Female connector/socket ▸ Strip length (outer insulation): 45 mm ▸ Connectable sheathed cable diameter: 6.5 … 10.5 mm ▸ Protection type: IP40



890-105

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | N ⏚ 1 2 3 | 890-105 | 50 |
| ○ white | A | N ⏚ 1 2 3 | 890-125 | 50 |




Overall length when mated

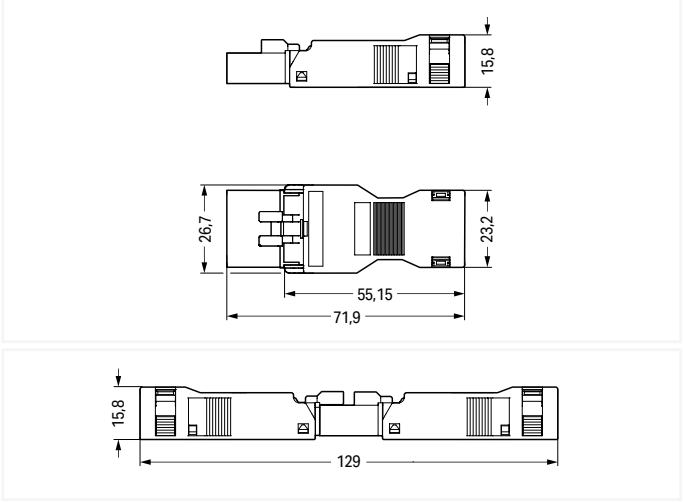
Strain relief housing ▸ Male connector/plug ▸ Strip length (outer insulation): 45 mm ▸ Connectable sheathed cable diameter: 6.5 … 10.5 mm ▸ Protection type: IP40



890-115

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | 3 2 1 ⏚ N | 890-115 | 50 |
| ○ white | A | 3 2 1 ⏚ N | 890-135 | 50 |




Overall length when mated

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |



Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● green | 890-385 | 1 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series
## Pole number: 5

1

### Female connector/socket ▸ Protection type: IP20; IP40 with strain relief housing



890-205

**General mains applications**

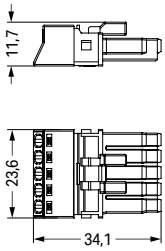
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | N ⏚ 1 2 3 | 890-205 | 50 |
| white | A | N ⏚ 1 2 3 | 890-225 | 50 |

**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 4 5 | 890-245 | 50 |
| gray | B | N ⏚ 1 2 3 | 890-245/060-000 | 50 |
| gray | B | N PE 3 2 1 | 890-245/062-000 | 50 |
| light green | B | 1 2 3 4 5 | 890-265 | 50 |
| light green | B | 1 ⏚ 2 3 4 | 890-265/073-000 | 50 |
| pink | B | 1 2 3 4 5 | 890-285 | 50 |
| pink | B | N ⏚ L I- I+ | 890-285/080-000 | 50 |
| pink | B | N ⏚ L - + | 890-285/082-000 | 50 |

**DALI, Lighting Management**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| blue | I | N ⏚ L - + | 890-1105 | 50 |




### Male connector/plug ▸ Protection type: IP20; IP40 when mated with strain relief housing



890-215

**General mains applications**

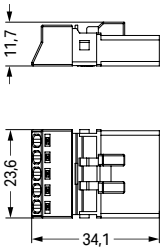
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | 3 2 1 ⏚ N | 890-215 | 50 |
| white | A | 3 2 1 ⏚ N | 890-235 | 50 |

**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 5 4 3 2 1 | 890-255 | 50 |
| gray | B | 3 2 1 ⏚ N | 890-255/060-000 | 50 |
| gray | B | 1 2 3 PE N | 890-255/062-000 | 50 |
| light green | B | 5 4 3 2 1 | 890-275 | 50 |
| light green | B | 4 3 2 ⏚ 1 | 890-275/073-000 | 50 |
| pink | B | 5 4 3 2 1 | 890-295 | 50 |
| pink | B | I+ I- L ⏚ N | 890-295/080-000 | 50 |
| pink | B | + - L ⏚ N | 890-295/082-000 | 50 |

**DALI, Lighting Management**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| blue | I | + - L ⏚ N | 890-1115 | 50 |




### Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 890-101 | 100 (50) |
| white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 890-111 | 100 (50) |
| white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| black | 890-310 | 100 |
| white | 890-311 | 100 |



Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| green | 890-385 | 1 |



Strain relief housing; Connectable sheathed cable diameter: 6.5 … 10.5 mm; Strip length (outer insulation): 45 mm

| Color | Item no. | PU |
|---|---|---|
| black | 890-505 | 50 |
| white | 890-515 | 50 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Snap-in device connector ▶ *WINSTA*® MINI ▶ 890 Series
Pole number: 5

1



- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

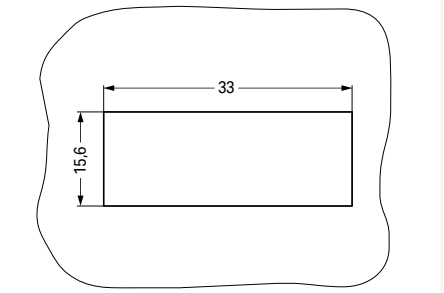



Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

| Electrical data | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Coding | A | | | B | | | I | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 400 V | - | - | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - | 6 kV | - | - | 6 kV | - | - |
| Rated current | 13 A | - | - | 16 A | - | - | 16 A | - | - |
| Note (rated current) | | | | 13 A for 3-pole load<br>10 A for 4- and 5-pole load | | | | | |
| Approvals per | UL 1977 | | | UL 1977 | | | UL 1977 | | |
| Rated voltage | 600 V | | | 600 V | | | 600 V | | |
| Rated current | 12 A | | | 12 A | | | 12 A | | |

| Connection data | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Strip length | 9 mm / 0.35 inches |
| Nominal cross-section | 1.5 mm² / 16 AWG |
| Solid conductor | 0.25 … 1.5 mm² / 22 … 16 AWG |
| Solid conductor; push-in termination | 0.75 … 1.5 mm² / 20 … 16 AWG |
| Stranded conductor | 0.25 … 1 mm² / 22 … 18 AWG |
| Fine-stranded conductor | 0.25 … 1.5 mm² / 22 … 16 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 … 0.75 mm² / 22 … 20 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 … 0.75 mm² / 22 … 20 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 0.75 mm² / 20 AWG |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Tool Page 392

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Snap-in device connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 5

Female connector/socket ▶ Protection type: IP40

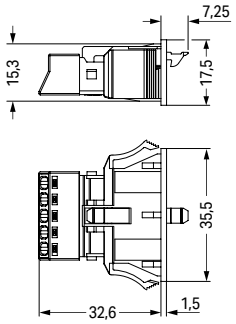


890-705

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU (SPU) |
| black | A | N ⏚ 1 2 3 | 890-705 | 50 (50) |
| white | A | N ⏚ 1 2 3 | 890-725 | 50 (50) |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU (SPU) |
| gray | B | 1 2 3 4 5 | 890-745 | 50 (50) |
| gray | B | N ⏚ L1 L2 L3 | 890-745/060-000 | 50 (50) |
| gray | B | N PE 3 2 1 | 890-745/062-000 | 50 (50) |
| light green | B | 1 2 3 4 5 | 890-765 | 50 (50) |
| light green | B | 1 ⏚ 2 3 4 | 890-765/073-000 | 50 (50) |
| pink | B | 1 2 3 4 5 | 890-785 | 50 (50) |
| pink | B | N ⏚ L I- I+ | 890-785/080-000 | 50 (50) |
| pink | B | N ⏚ L - + | 890-785/082-000 | 50 (50) |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU (SPU) |
| blue | I | N ⏚ L - + | 890-2105 | 50 (50) |




Male connector/plug ▶ Protection type: IP20; IP40 when mated

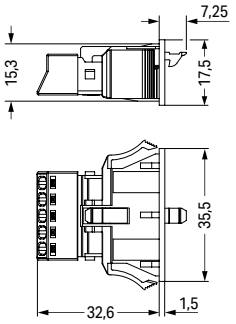


890-715

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU (SPU) |
| black | A | 3 2 1 ⏚ N | 890-715 | 50 (25) |
| white | A | 3 2 1 ⏚ N | 890-735 | 50 (50) |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU (SPU) |
| gray | B | 5 4 3 2 1 | 890-755 | 50 (50) |
| gray | B | 3 2 1 ⏚ N | 890-755/060-000 | 50 (50) |
| gray | B | 1 2 3 PE N | 890-755/062-000 | 50 (50) |
| light green | B | 5 4 3 2 1 | 890-775 | 50 (50) |
| light green | B | 4 3 2 ⏚ 1 | 890-775/073-000 | 50 (50) |
| pink | B | 5 4 3 2 1 | 890-795 | 50 (50) |
| pink | B | I+ I- L ⏚ N | 890-795/080-000 | 50 (50) |
| pink | B | + - L ⏚ N | 890-795/082-000 | 50 (50) |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU (SPU) |
| blue | I | + - L ⏚ N | 890-2115 | 50 (50) |




**Accessories; for all products on this page**



Lockout cap; for cutout; Pole number: 3

| Color | Item no. | PU |
|---|---|---|
| black | 770-643 | 100 |
| white | 770-693 | 100 |



Operating tool; for WAGO *WINSTA*® MINI Connectors; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| green | 890-385 | 1 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable PCB connector ▶ *WINSTA*® MINI ▶ 890 Series
Pole number: 5






- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing

| Electrical data | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Coding | A | | | B | | | I | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 250 V | - | - | 250 V | - | - | 250 V | - | - |
| Rated surge voltage | 4 kV | - | - | 4 kV | - | - | 4 kV | - | - |
| Rated current | 13 A | - | - | 16 A | - | - | 16 A | - | - |
| Note (rated current) | | | | 13 A for 3-pole load<br>10 A for 4- and 5-pole load | | | | | |
| Approvals per | UL 1977 | | | UL 1977 | | | UL 1977 | | |
| Rated voltage | 600 V | | | 600 V | | | 600 V | | |
| Rated current | 12 A | | | 12 A | | | 12 A | | |

| Material Data | |
|---|---|
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Solder pin arrangement | 2 in-line solder pins/pole |
| Number of solder pins per potential | 2 |
| Solder pin length | 3.5 mm |
| Solder pin dimensions | 1 x 0.8 mm |
| Drilled hole diameter with tolerance | 1.3 $^{(+0.1)}$ mm |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series
## Pole number: 5

straight ▸ Female connector/socket

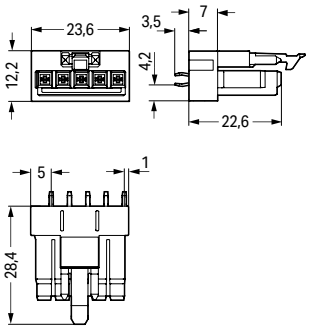


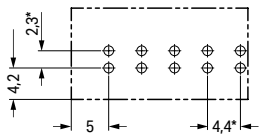

890-805

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N ⏚ 1 2 3 | 890-805 | 50 |
| white | A | N ⏚ 1 2 3 | 890-825 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 4 5 | 890-845 | 50 |
| light green | B | 1 2 3 4 5 | 890-865 | 50 |
| pink | B | 1 2 3 4 5 | 890-885 | 50 |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| blue | I | N ⏚ L - + | 890-3105 | 50 |




* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

straight ▸ Male connector/plug

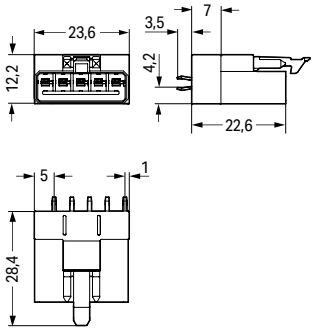


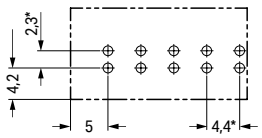

890-815

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | 3 2 1 ⏚ N | 890-815 | 50 |
| white | A | 3 2 1 ⏚ N | 890-835 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 5 4 3 2 1 | 890-855 | 50 |
| light green | B | 5 4 3 2 1 | 890-875 | 50 |
| pink | B | 5 4 3 2 1 | 890-895 | 50 |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| blue | I | + - L ⏚ N | 890-3115 | 50 |




* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series
## Pole number: 5

1

### angled ▸ Female connector/socket




890-805/011-000

**General mains applications**

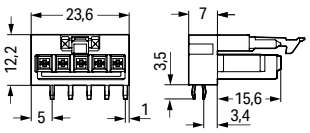
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | N ⏚ 1 2 3 | 890-805/011-000 | 50 |
| white | A | N ⏚ 1 2 3 | 890-825/011-000 | 50 |

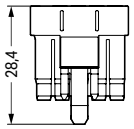
**Control technology**

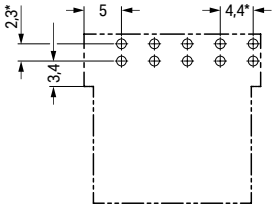
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 4 5 | 890-845/011-000 | 50 |
| light green | B | 1 2 3 4 5 | 890-865/011-000 | 50 |
| pink | B | 1 2 3 4 5 | 890-885/011-000 | 50 |

**DALI, Lighting Management**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| blue | I | N ⏚ L - + | 890-3105/011-000 | 50 |




* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

### angled ▸ Male connector/plug




890-815/011-000

**General mains applications**

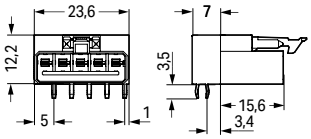
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | 3 2 1 ⏚ N | 890-815/011-000 | 50 |
| white | A | 3 2 1 ⏚ N | 890-835/011-000 | 50 |

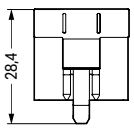
**Control technology**

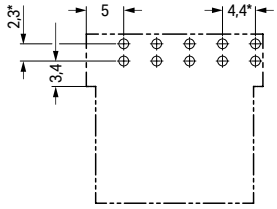
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 5 4 3 2 1 | 890-855/011-000 | 50 |
| light green | B | 5 4 3 2 1 | 890-875/011-000 | 50 |
| pink | B | 5 4 3 2 1 | 890-895/011-000 | 50 |

**DALI, Lighting Management**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| blue | I | + - L ⏚ N | 890-3115/011-000 | 50 |




* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 5 ▶ Protection type: IP20; IP40 when mated





- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

| Electrical data | | | | | | |
|---|---|---|---|---|---|---|
| Coding | A; I | | | A | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - | 6 kV | - | - |
| Rated current | 16 A | - | - | 13 A | - | - |
| Approvals per | UL 1977 | | | UL 1977 | | |
| Rated voltage | 600 V | | | 600 V | | |
| Rated current | 12 A | | | 12 A | | |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | Approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | When locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | IP40 when mated |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

At least one snap-in connector **without** a locking lever is required on one side when connecting two lights directly via intermediate coupler.

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Distribution connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 5 ▶ Protection type: IP20; IP40 when mated

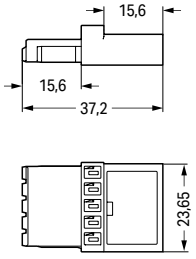
Intermediate coupler



890-605

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● black | A | - | 890-605 | 50 |
| ○ white | A | - | 890-655 | 50 |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● blue | I | - | 890-619 | 50 |




PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 5 ▶ Protection type: IP20; IP40 when mated

1

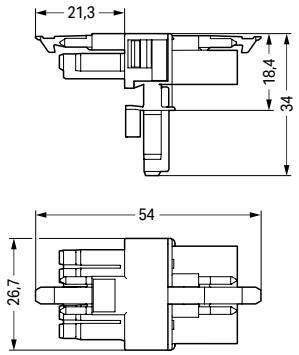
T-distribution connector

Number of locking levers: 2




890-621

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● black | A | N ⏚ 1 2 3 | 890-621 | 25 |
| ○ white | A | N ⏚ 1 2 3 | 890-671 | 25 |
| **DALI, Lighting Management** | | | | |
| Color | Coding | Marking | Item no. | PU |
| ● blue | I | N ⏚ L - + | 890-617 | 25 |

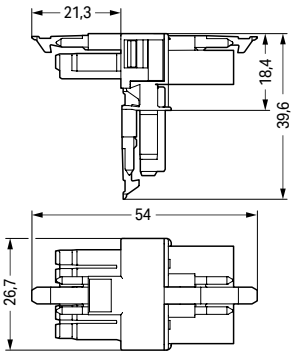



Number of locking levers: 3 ▶ for flying leads




890-622

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● black | A | N ⏚ 1 2 3 | 890-622 | 25 |
| ○ white | A | N ⏚ 1 2 3 | 890-672 | 25 |
| **DALI, Lighting Management** | | | | |
| Color | Coding | Marking | Item no. | PU |
| ● blue | I | N ⏚ L - + | 890-620 | 25 |




PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MINI ▶ 890 Series
## Pole number: 5 ▶ Protection type: IP20; IP40 when mated

h-distribution connector, outputs on one side

Number of locking levers: 2



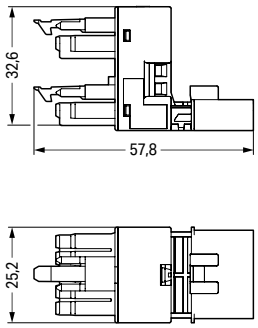
890-929

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | N ⏚ 1 2 3 | 890-929 | 50 |
| ○ white | A | N ⏚ 1 2 3 | 890-979 | 50 |

DALI, Lighting Management

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● blue | I | N ⏚ L - + | 890-982 | 50 |




Number of locking levers: 3 ▶ for flying leads



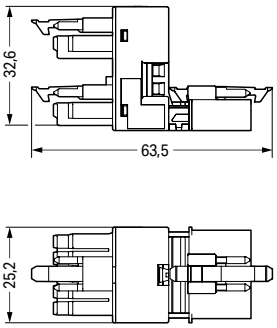
890-930

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | N ⏚ 1 2 3 | 890-930 | 50 |
| ○ white | A | N ⏚ 1 2 3 | 890-980 | 50 |

DALI, Lighting Management

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● blue | I | N ⏚ L - + | 890-983 | 50 |




Accessories; for all products on this page



Mounting plate; for distribution connectors (except T-distribution connectors); 5-pole

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-625 | 50 (50) |
| ○ white | 890-675 | 50 (50) |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series
## Pole number: 5 ▶ Fire class per EN 50575: $E_{ca}$





- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

| Electrical data | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Coding | A | | | B | | | B | | |
| Wire cross-section | 1.5 mm² | | | 1 mm² | | | 1.5 mm² | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 400 V | - | - | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - | 6 kV | - | - | 6 kV | - | - |
| Rated current | 13 A | - | - | 10 A | - | - | 16 A | - | - |
| Note (rated current) | | | | | | | 13 A for 3-pole load<br>10 A for 4- and 5-pole load | | |

| Electrical data | | | |
|---|---|---|---|
| Coding | I | | |
| Wire cross-section | 1.5 mm² | | |
| Ratings per | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - |
| Rated current | 16 A | - | - |
| Note (rated current) | | | |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| Fire class per EN 50575 | $E_{ca}$ |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | when unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | when locked: > 80N |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

Cables with a different fire class can be found in the eSHOP.

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

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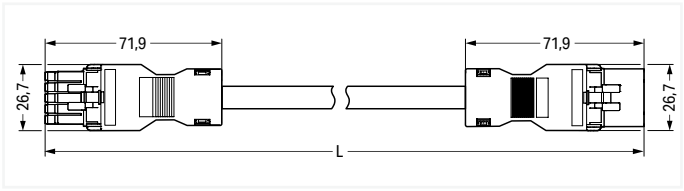
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

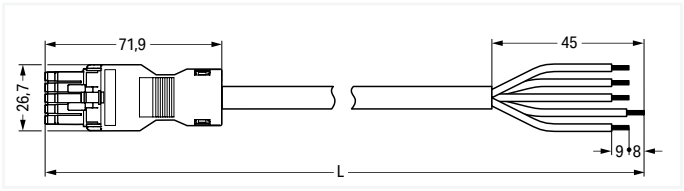
# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series

Pole number: 5 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 1.5 mm² ▶ Marking: N ⏚ 1 2 3 ▶ PVC ▶ Sheathed cable diameter: 9.3 … 11.6 mm ▶ H05VV-F 5G1.5 ▶ General mains applications

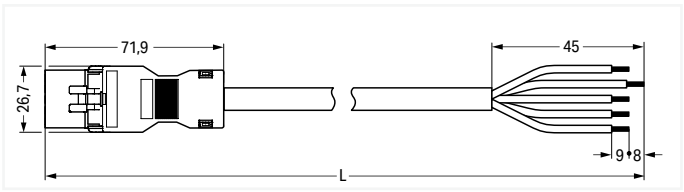









Interconnecting cable ▶ Socket - Plug ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8995/006-101 | 891-8995/006-102 | | 1 |
| 2 m | 891-8995/006-201 | 891-8995/006-202 | | 1 |
| 3 m | 891-8995/006-301 | 891-8995/006-302 | | 1 |
| 4 m | 891-8995/006-401 | 891-8995/006-402 | | 1 |
| 5 m | 891-8995/006-501 | 891-8995/006-502 | | 1 |
| 6 m | 891-8995/006-601 | 891-8995/006-602 | | 1 |
| 7 m | 891-8995/006-701 | 891-8995/006-702 | | 1 |
| 8 m | 891-8995/006-801 | 891-8995/006-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8995/106-101 | 891-8995/106-102 | | 1 |
| 2 m | 891-8995/106-201 | 891-8995/106-202 | | 1 |
| 3 m | 891-8995/106-301 | 891-8995/106-302 | | 1 |
| 4 m | 891-8995/106-401 | 891-8995/106-402 | | 1 |
| 5 m | 891-8995/106-501 | 891-8995/106-502 | | 1 |
| 6 m | 891-8995/106-601 | 891-8995/106-602 | | 1 |
| 7 m | 891-8995/106-701 | 891-8995/106-702 | | 1 |
| 8 m | 891-8995/106-801 | 891-8995/106-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8995/206-101 | 891-8995/206-102 | | 1 |
| 2 m | 891-8995/206-201 | 891-8995/206-202 | | 1 |
| 3 m | 891-8995/206-301 | 891-8995/206-302 | | 1 |
| 4 m | 891-8995/206-401 | 891-8995/206-402 | | 1 |
| 5 m | 891-8995/206-501 | 891-8995/206-502 | | 1 |
| 6 m | 891-8995/206-601 | 891-8995/206-602 | | 1 |
| 7 m | 891-8995/206-701 | 891-8995/206-702 | | 1 |
| 8 m | 891-8995/206-801 | 891-8995/206-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

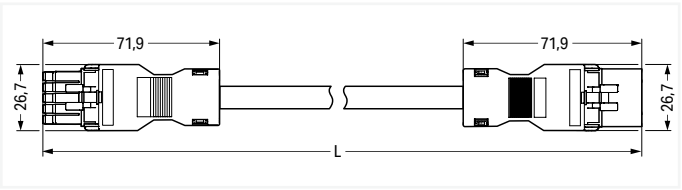
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

1

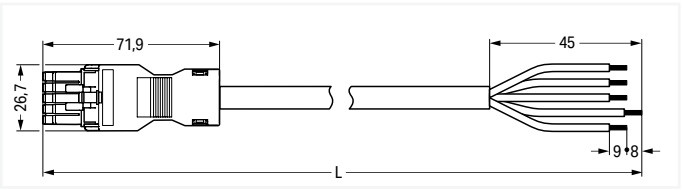
## Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 5 ▸ Fire class per EN 50575: $E_{ca}$ ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ 1 2 3 ▸ Halogen-free ▸ Sheathed cable diameter: 9.3 … 11.6 mm ▸ H05Z1Z1-F 5G1.5 ▸ General mains applications

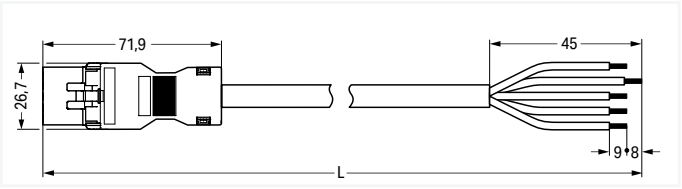









Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8995/016-101 | 891-8995/016-102 | | 1 |
| 2 m | 891-8995/016-201 | 891-8995/016-202 | | 1 |
| 3 m | 891-8995/016-301 | 891-8995/016-302 | | 1 |
| 4 m | 891-8995/016-401 | 891-8995/016-402 | | 1 |
| 5 m | 891-8995/016-501 | 891-8995/016-502 | | 1 |
| 6 m | 891-8995/016-601 | 891-8995/016-602 | | 1 |
| 7 m | 891-8995/016-701 | 891-8995/016-702 | | 1 |
| 8 m | 891-8995/016-801 | 891-8995/016-802 | | 1 |

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8995/116-101 | 891-8995/116-102 | | 1 |
| 2 m | 891-8995/116-201 | 891-8995/116-202 | | 1 |
| 3 m | 891-8995/116-301 | 891-8995/116-302 | | 1 |
| 4 m | 891-8995/116-401 | 891-8995/116-402 | | 1 |
| 5 m | 891-8995/116-501 | 891-8995/116-502 | | 1 |
| 6 m | 891-8995/116-601 | 891-8995/116-602 | | 1 |
| 7 m | 891-8995/116-701 | 891-8995/116-702 | | 1 |
| 8 m | 891-8995/116-801 | 891-8995/116-802 | | 1 |

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 891-8995/216-101 | 891-8995/216-102 | | 1 |
| 2 m | 891-8995/216-201 | 891-8995/216-202 | | 1 |
| 3 m | 891-8995/216-301 | 891-8995/216-302 | | 1 |
| 4 m | 891-8995/216-401 | 891-8995/216-402 | | 1 |
| 5 m | 891-8995/216-501 | 891-8995/216-502 | | 1 |
| 6 m | 891-8995/216-601 | 891-8995/216-602 | | 1 |
| 7 m | 891-8995/216-701 | 891-8995/216-702 | | 1 |
| 8 m | 891-8995/216-801 | 891-8995/216-802 | | 1 |

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



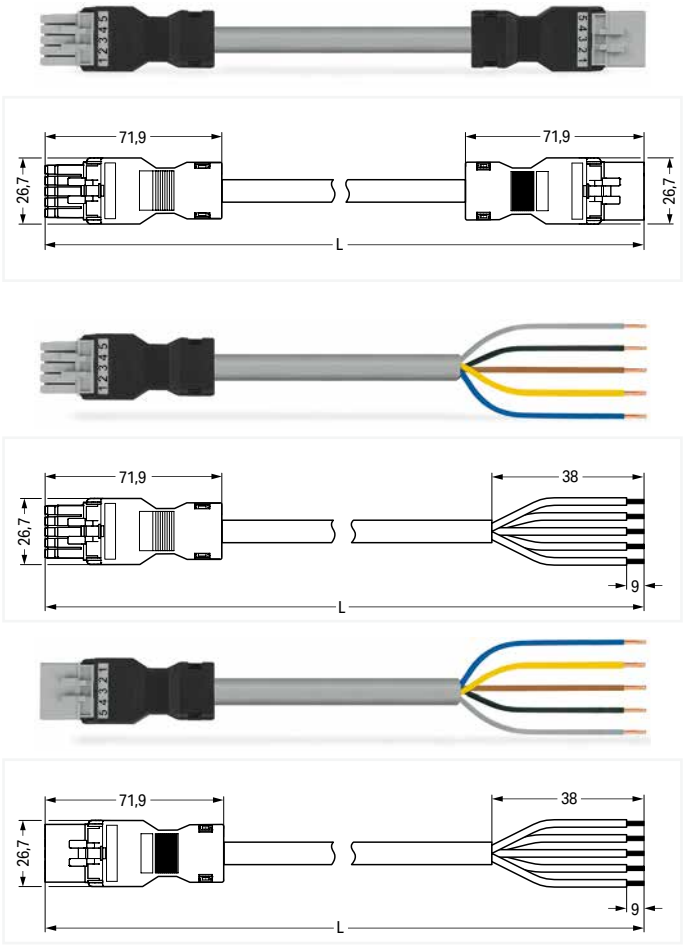
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series

Pole number: 5 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: B ▶ 1 mm² ▶ Marking: 1 2 3 4 5 ▶ PVC ▶ Sheathed cable diameter: 7.8 … 9.3 mm ▶ Control line 5 x 1 ▶ Control technology




Interconnecting cable ▶ Socket - Plug ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8995/005-103 | 891-8995/005-105 | 891-8995/005-107 | 1 |
| 2 m | 891-8995/005-203 | 891-8995/005-205 | 891-8995/005-207 | 1 |
| 3 m | 891-8995/005-303 | 891-8995/005-305 | 891-8995/005-307 | 1 |
| 4 m | 891-8995/005-403 | 891-8995/005-405 | 891-8995/005-407 | 1 |
| 5 m | 891-8995/005-503 | 891-8995/005-505 | 891-8995/005-507 | 1 |
| 6 m | 891-8995/005-603 | 891-8995/005-605 | 891-8995/005-607 | 1 |
| 7 m | 891-8995/005-703 | 891-8995/005-705 | 891-8995/005-707 | 1 |
| 8 m | 891-8995/005-803 | 891-8995/005-805 | 891-8995/005-807 | 1 |

Connecting cable ▶ Socket - free end ▶ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8995/105-103 | 891-8995/105-105 | 891-8995/105-107 | 1 |
| 2 m | 891-8995/105-203 | 891-8995/105-205 | 891-8995/105-207 | 1 |
| 3 m | 891-8995/105-303 | 891-8995/105-305 | 891-8995/105-307 | 1 |
| 4 m | 891-8995/105-403 | 891-8995/105-405 | 891-8995/105-407 | 1 |
| 5 m | 891-8995/105-503 | 891-8995/105-505 | 891-8995/105-507 | 1 |
| 6 m | 891-8995/105-603 | 891-8995/105-605 | 891-8995/105-607 | 1 |
| 7 m | 891-8995/105-703 | 891-8995/105-705 | 891-8995/105-707 | 1 |
| 8 m | 891-8995/105-803 | 891-8995/105-805 | 891-8995/105-807 | 1 |

Connecting cable ▶ Plug - free end ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8995/205-103 | 891-8995/205-105 | 891-8995/205-107 | 1 |
| 2 m | 891-8995/205-203 | 891-8995/205-205 | 891-8995/205-207 | 1 |
| 3 m | 891-8995/205-303 | 891-8995/205-305 | 891-8995/205-307 | 1 |
| 4 m | 891-8995/205-403 | 891-8995/205-405 | 891-8995/205-407 | 1 |
| 5 m | 891-8995/205-503 | 891-8995/205-505 | 891-8995/205-507 | 1 |
| 6 m | 891-8995/205-603 | 891-8995/205-605 | 891-8995/205-607 | 1 |
| 7 m | 891-8995/205-703 | 891-8995/205-705 | 891-8995/205-707 | 1 |
| 8 m | 891-8995/205-803 | 891-8995/205-805 | 891-8995/205-807 | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

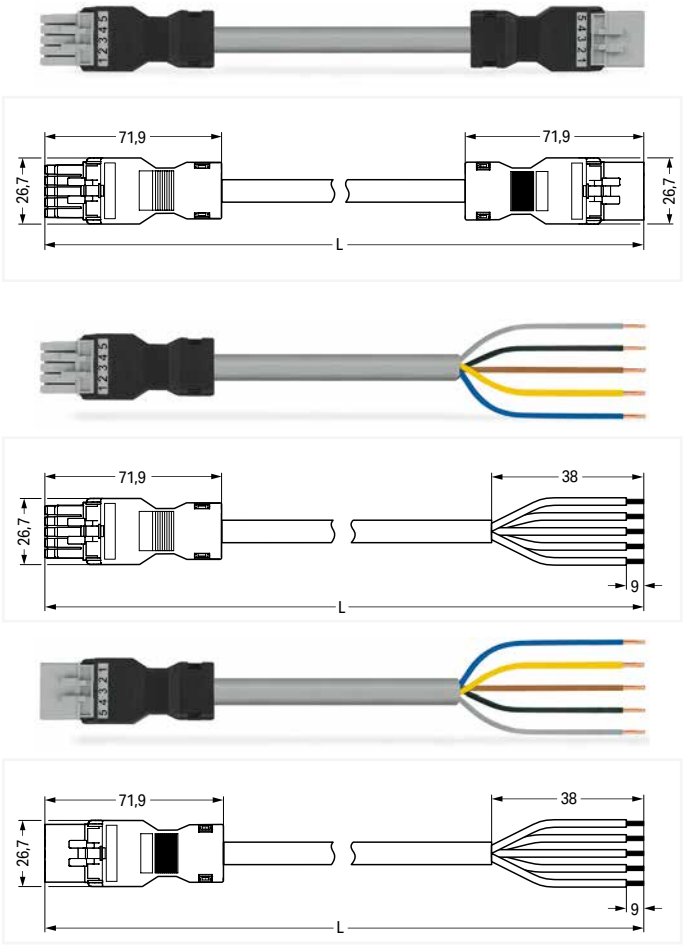
| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 5 ▸ Fire class per EN 50575: $E_{ca}$ ▸ Coding: B ▸ 1.5 mm² ▸ Marking: 1 2 3 4 5 ▸ PVC ▸ Sheathed cable diameter: 9.3 … 11.6 mm ▸ Control line 5 x 1.5 ▸ Control technology






Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8995/006-103 | 891-8995/006-105 | 891-8995/006-107 | 1 |
| 2 m | 891-8995/006-203 | 891-8995/006-205 | 891-8995/006-207 | 1 |
| 3 m | 891-8995/006-303 | 891-8995/006-305 | 891-8995/006-307 | 1 |
| 4 m | 891-8995/006-403 | 891-8995/006-405 | 891-8995/006-407 | 1 |
| 5 m | 891-8995/006-503 | 891-8995/006-505 | 891-8995/006-507 | 1 |
| 6 m | 891-8995/006-603 | 891-8995/006-605 | 891-8995/006-607 | 1 |
| 7 m | 891-8995/006-703 | 891-8995/006-705 | 891-8995/006-707 | 1 |
| 8 m | 891-8995/006-803 | 891-8995/006-805 | 891-8995/006-807 | 1 |

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8995/106-103 | 891-8995/106-105 | 891-8995/106-107 | 1 |
| 2 m | 891-8995/106-203 | 891-8995/106-205 | 891-8995/106-207 | 1 |
| 3 m | 891-8995/106-303 | 891-8995/106-305 | 891-8995/106-307 | 1 |
| 4 m | 891-8995/106-403 | 891-8995/106-405 | 891-8995/106-407 | 1 |
| 5 m | 891-8995/106-503 | 891-8995/106-505 | 891-8995/106-507 | 1 |
| 6 m | 891-8995/106-603 | 891-8995/106-605 | 891-8995/106-607 | 1 |
| 7 m | 891-8995/106-703 | 891-8995/106-705 | 891-8995/106-707 | 1 |
| 8 m | 891-8995/106-803 | 891-8995/106-805 | 891-8995/106-807 | 1 |

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 891-8995/206-103 | 891-8995/206-105 | 891-8995/206-107 | 1 |
| 2 m | 891-8995/206-203 | 891-8995/206-205 | 891-8995/206-207 | 1 |
| 3 m | 891-8995/206-303 | 891-8995/206-305 | 891-8995/206-307 | 1 |
| 4 m | 891-8995/206-403 | 891-8995/206-405 | 891-8995/206-407 | 1 |
| 5 m | 891-8995/206-503 | 891-8995/206-505 | 891-8995/206-507 | 1 |
| 6 m | 891-8995/206-603 | 891-8995/206-605 | 891-8995/206-607 | 1 |
| 7 m | 891-8995/206-703 | 891-8995/206-705 | 891-8995/206-707 | 1 |
| 8 m | 891-8995/206-803 | 891-8995/206-805 | 891-8995/206-807 | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



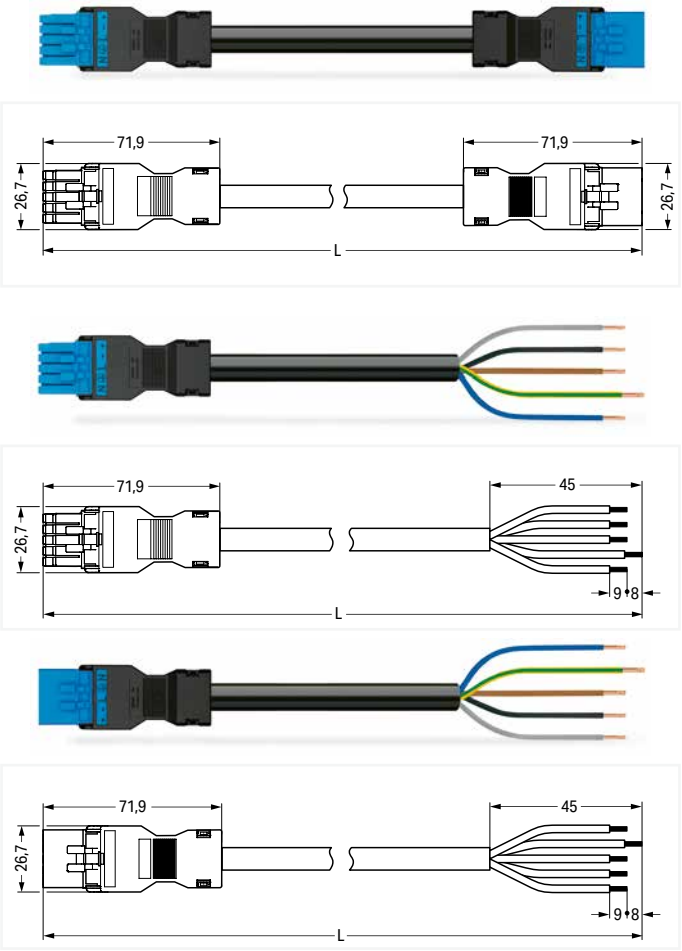
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series

Pole number: 5 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: I ▶ 1.5 mm² ▶ Marking: N ⏚ L - + ▶ PVC ▶ Sheathed cable diameter: 9.3 … 11.6 mm ▶ H05VV-F 5G1.5 ▶ DALI, Lighting Management




Interconnecting cable ▶ Socket - Plug ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 891-8985/006-101 | 891-8985/006-102 | | 1 |
| 2 m | 891-8985/006-201 | 891-8985/006-202 | | 1 |
| 3 m | 891-8985/006-301 | 891-8985/006-302 | | 1 |
| 4 m | 891-8985/006-401 | 891-8985/006-402 | | 1 |
| 5 m | 891-8985/006-501 | 891-8985/006-502 | | 1 |
| 6 m | 891-8985/006-601 | 891-8985/006-602 | | 1 |
| 7 m | 891-8985/006-701 | 891-8985/006-702 | | 1 |
| 8 m | 891-8985/006-801 | 891-8985/006-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 891-8985/106-101 | 891-8985/106-102 | | 1 |
| 2 m | 891-8985/106-201 | 891-8985/106-202 | | 1 |
| 3 m | 891-8985/106-301 | 891-8985/106-302 | | 1 |
| 4 m | 891-8985/106-401 | 891-8985/106-402 | | 1 |
| 5 m | 891-8985/106-501 | 891-8985/106-502 | | 1 |
| 6 m | 891-8985/106-601 | 891-8985/106-602 | | 1 |
| 7 m | 891-8985/106-701 | 891-8985/106-702 | | 1 |
| 8 m | 891-8985/106-801 | 891-8985/106-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 891-8985/206-101 | 891-8985/206-102 | | 1 |
| 2 m | 891-8985/206-201 | 891-8985/206-202 | | 1 |
| 3 m | 891-8985/206-301 | 891-8985/206-302 | | 1 |
| 4 m | 891-8985/206-401 | 891-8985/206-402 | | 1 |
| 5 m | 891-8985/206-501 | 891-8985/206-502 | | 1 |
| 6 m | 891-8985/206-601 | 891-8985/206-602 | | 1 |
| 7 m | 891-8985/206-701 | 891-8985/206-702 | | 1 |
| 8 m | 891-8985/206-801 | 891-8985/206-802 | | 1 |

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

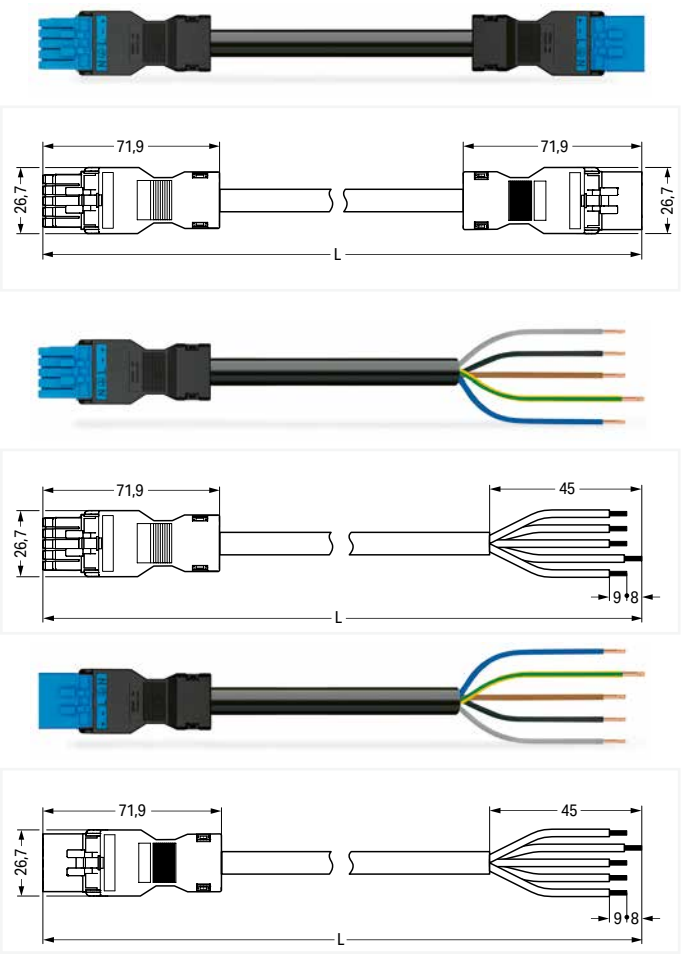
| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MINI ▶ 891 Series

Pole number: 5 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: I ▶ 1.5 mm² ▶ Marking: N ⏚ L - + ▶ Halogen-free ▶ Sheathed cable diameter: 9.3 … 11.6 mm ▶ H05Z1Z1-F 5G1.5 ▶ DALI, Lighting Management






Interconnecting cable ▶ Socket - Plug ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 891-8985/016-101 | 891-8985/016-102 | | 1 |
| 2 m | 891-8985/016-201 | 891-8985/016-202 | | 1 |
| 3 m | 891-8985/016-301 | 891-8985/016-302 | | 1 |
| 4 m | 891-8985/016-401 | 891-8985/016-402 | | 1 |
| 5 m | 891-8985/016-501 | 891-8985/016-502 | | 1 |
| 6 m | 891-8985/016-601 | 891-8985/016-602 | | 1 |
| 7 m | 891-8985/016-701 | 891-8985/016-702 | | 1 |
| 8 m | 891-8985/016-801 | 891-8985/016-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Protection type: IP40

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 891-8985/116-101 | 891-8985/116-102 | | 1 |
| 2 m | 891-8985/116-201 | 891-8985/116-202 | | 1 |
| 3 m | 891-8985/116-301 | 891-8985/116-302 | | 1 |
| 4 m | 891-8985/116-401 | 891-8985/116-402 | | 1 |
| 5 m | 891-8985/116-501 | 891-8985/116-502 | | 1 |
| 6 m | 891-8985/116-601 | 891-8985/116-602 | | 1 |
| 7 m | 891-8985/116-701 | 891-8985/116-702 | | 1 |
| 8 m | 891-8985/116-801 | 891-8985/116-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Protection type: IP20; IP40 when mated

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 891-8985/216-101 | 891-8985/216-102 | | 1 |
| 2 m | 891-8985/216-201 | 891-8985/216-202 | | 1 |
| 3 m | 891-8985/216-301 | 891-8985/216-302 | | 1 |
| 4 m | 891-8985/216-401 | 891-8985/216-402 | | 1 |
| 5 m | 891-8985/216-501 | 891-8985/216-502 | | 1 |
| 6 m | 891-8985/216-601 | 891-8985/216-602 | | 1 |
| 7 m | 891-8985/216-701 | 891-8985/216-702 | | 1 |
| 8 m | 891-8985/216-801 | 891-8985/216-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-101 | 100 (50) |
| ○ white | 890-121 | 100 (50) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 890-111 | 100 (50) |
| ○ white | 890-131 | 100 (50) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 890-310 | 100 |
| ○ white | 890-311 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm



# WAGO Pluggable Connection System *WINSTA*® MIDI

PUSH-IN CAGE CLAMP®

# WAGO Pluggable Connection System *WINSTA*® MIDI ▸ 770, 771 Series
# 4 mm² / 25 A

**Note:**
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Compliance with the standards (IEC 61535) does not guarantee hazard-preventing, non-interchangeability with installation connector systems from various manufacturers.
- Installation connector systems are not a substitute for residential connector/socket systems.
- B-Coded components from the WINSTA® MIDI series are designed for specialty applications (e.g., measurement, control and regulation technology) and certified per DIN EN 61984.

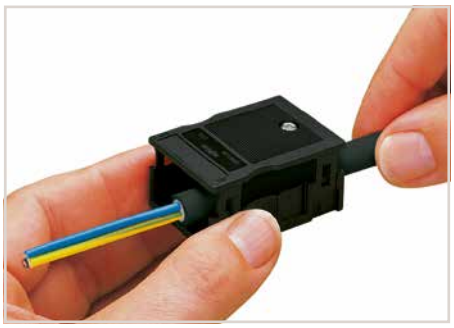
- *WINSTA*® MIDI Connectors are not intended for installation in open or easily accessible areas.



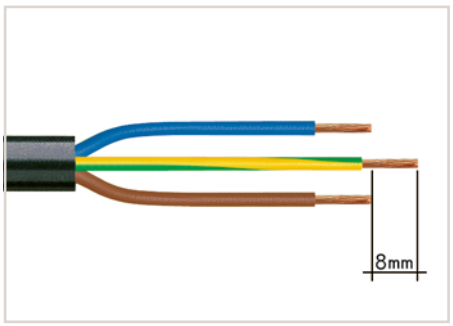

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# *WINSTA*® MIDI ▸ 770, 771 Series
## Installation

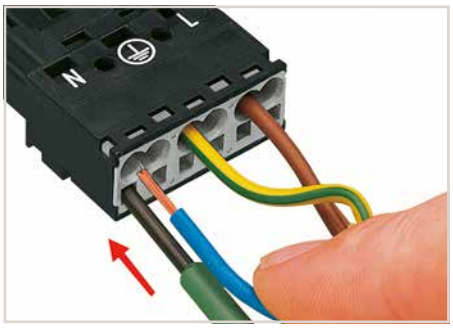




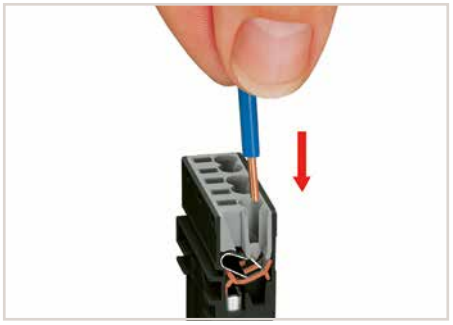
We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.



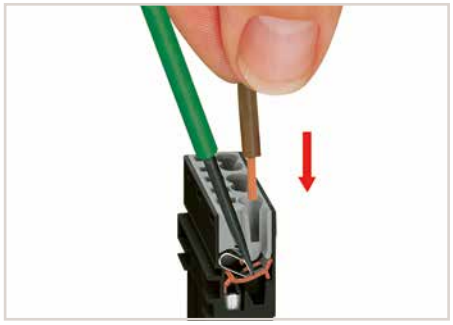

1. Strip length, outer insulation = x mm ❶
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm



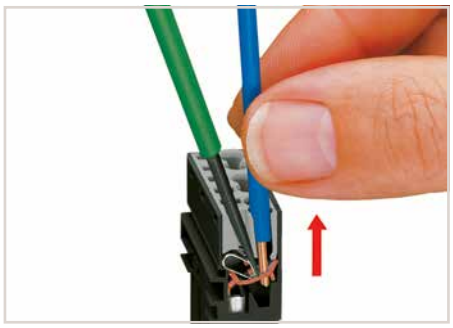

To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits backstop.



Insert the stripped solid conductor until it hits backstop.



To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits backstop.



To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.




Latch the strain relief housing on the plug/socket. Note the "TOP" inscription.



Prepare strain relief housing by snapping together upper and bottom part.



Tighten strain relief screw via screwdriver (2.5 mm blade width).



Simply cut off the coding pin from the socket.



Insert coding pin into plug (break first) until it engages.




Marking strain relief housing via WSB Quick Marking System.

❶ Strip length, outer insulation: 2-pole = 35 mm, 3- to 5-pole = 55 mm

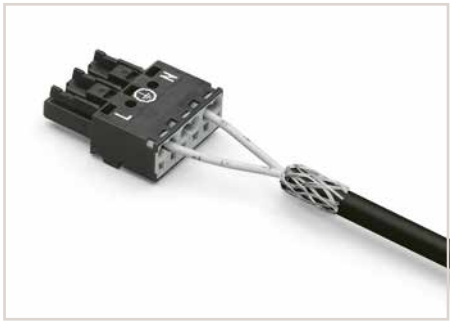


Connector with shield termination

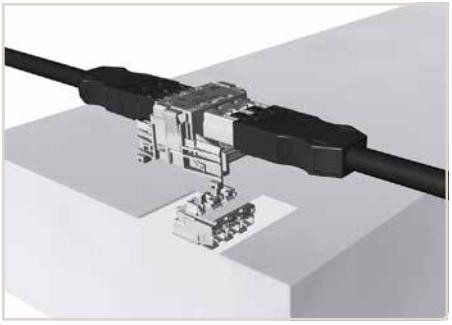
linect

the light connection system

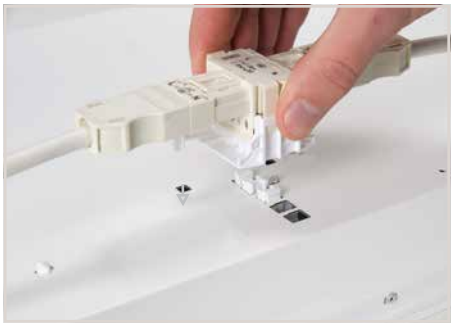




Apply the shield to the rubber cable.
Strip length, outer insulation = 55 mm
Shield length = 10 mm



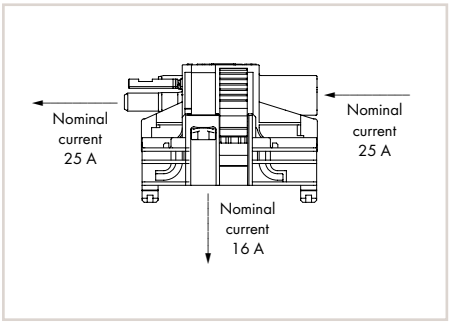
Connecting a T-connector to a 294 Series lighting connector.

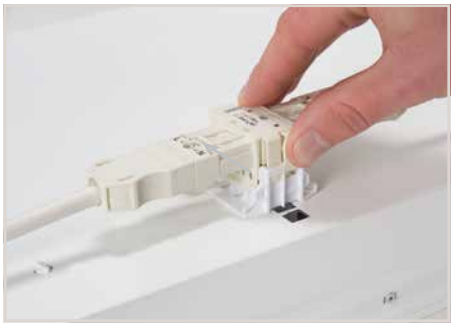


Align the T-connector with the square cutouts.



Push the shield connecting plate into the connector until fully inserted.

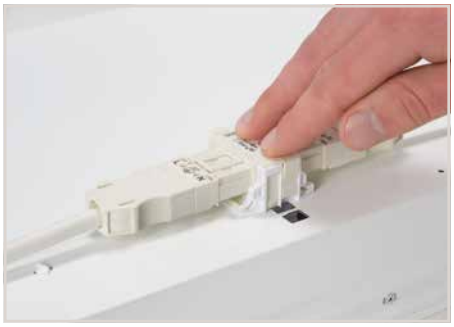


Move the T-connector toward the square cutouts until it is locked in position.



First insert the wired connector into strain relief housing, then snap cover and tighten screw.



Push down until fully engaged – done!

PUSH-IN CAGE CLAMP®

# *WINSTA*® MIDI ▸ Coding: B ▸ 770, 771 Series
## Description and Installation






Gray, B-coded connector with "3 2 1" marking, e.g., control signal (A circuit)



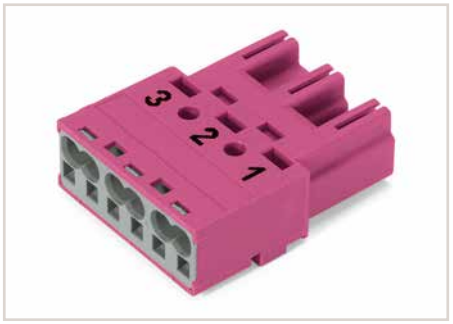

Easy circuit identification via different marking and colors



B-coded connectors (shown in gray) not only differ in color, but also in their design, making them incompatible with other coded connectors.

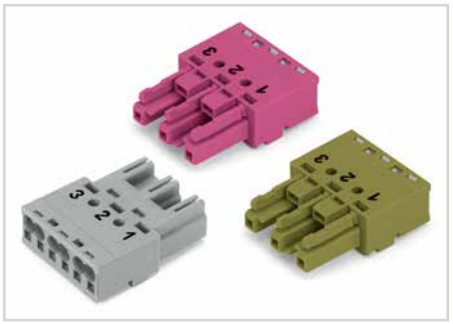


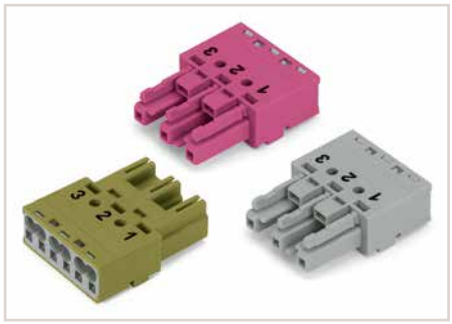

Light green, B-coded connector with "3 2 1" marking, e.g., DC power supply (24 V circuit)

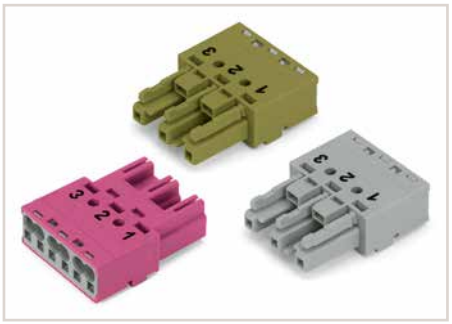



Pink, B-coded connector with "3 2 1" marking, e.g., control signal (B circuit)









B-coded connectors with different colors can be plugged together.
**Important note:**
Different colors and/or pole markings are used for circuit identification.
Only connectors of the same color and same pole marking must be plugged together.

Installation notes for conductor connection, shield termination, operating tools and mounting aids for *WINSTA*® MIDI pluggable connectors, see page 120.

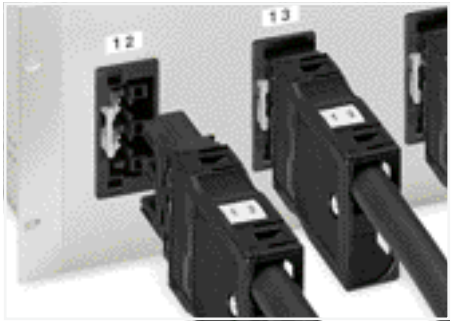
# *WINSTA*® MIDI ▸ 770, 771 Series
## Marking



Labeling strain relief housings (770 Series) via marking strips (Item No. 210-333)



Labeling strain relief housings (771 Series) via marking strips (Item No. 210-334)




Labeling strain relief housings via WSB Quick Marking System.







Cable assembly with marker for custom labeling



Distribution connector with custom labeled cables



Colored markers for extra visual identification of cable assemblies on a *WINSTA*® Distribution Box

# Pluggable connectors ▶ *WINSTA*® MIDI ▶ 770 Series

## Pole number: 2 ▶ Number of connection points: 2 ▶ Protection type: IP20




- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology for direct termination of solid conductors
- Two wire connections per pole for loops or bridges

2

| Electrical data | | | |
|---|---|---|---|
| Coding | A; B; I; L | | |
| Ratings per | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 250 V | - | - |
| Rated surge voltage | 4 kV | - | - |
| Rated current | 25 A | - | - |
| Approvals per | UL 1977 | | |
| Rated voltage | 600 V | | |
| Rated current | 23 A | | |

| Connection data | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Strip length | 9 mm / 0.35 inches |
| Nominal cross-section | 4 mm² / 12 AWG |
| Solid conductor | 0.5 … 4 mm² / 20 … 12 AWG |
| Solid conductor; push-in termination | 1.5 … 4 mm² / 16 … 12 AWG |
| Stranded conductor | 0.5 … 2.5 mm² / 20 … 14 AWG |
| Fine-stranded conductor | 0.5 … 4 mm² / 20 … 12 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 … 1.5 mm² / 20 … 16 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 … 2.5 mm² / 20 … 14 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 1.5 mm² / 16 AWG |

| Material Data | |
|---|---|
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).


| | |
|---|---|
| Cover | Page 368 |
| Installation | Page 382 |
| Tool | Page 392 |


See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Pluggable connectors ▶ *WINSTA*® MIDI ▶ 770 Series

## Pole number: 2 ▶ Number of connection points: 2 ▶ Protection type: IP20

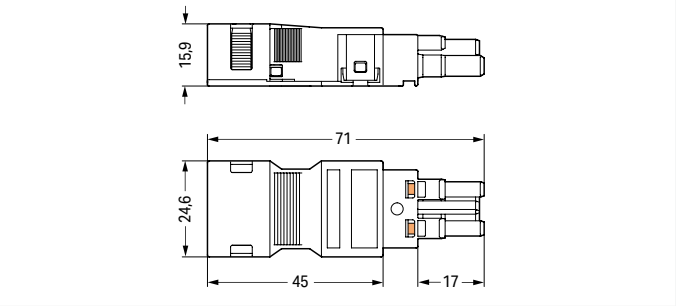
Strain relief housing ▶ Female connector/socket ▶ Strip length (outer insulation): 35 mm ▶ Connectable sheathed cable diameter : 7 … 10.5 mm




770-102/041-000

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | L N | 770-102/041-000 | 25 |
| ○ white | A | L N | 770-122/041-000 | 25 |




Overall length when mated

Item-Specific Accessories



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ○ white | 770-221 | 100 |

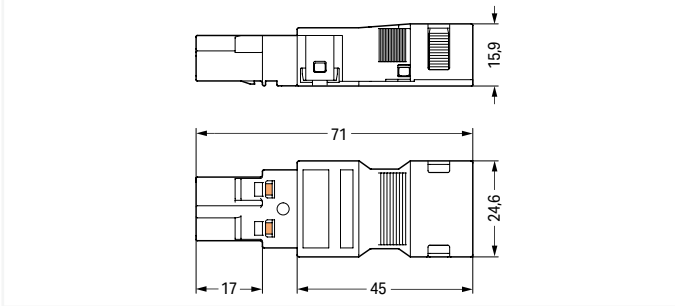
Strain relief housing ▶ Male connector/plug ▶ Strip length (outer insulation): 35 mm ▶ Connectable sheathed cable diameter : 7 … 10.5 mm




770-112/041-000

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | N L | 770-112/041-000 | 25 |
| ○ white | A | N L | 770-132/041-000 | 25 |




Overall length when mated

Item-Specific Accessories



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● yellow | 770-360 | 100 |

Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Operating tool; for WAGO *WINSTA*® MIDI Connectors; Pole number: 2

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● green | 770-382 | 50 (1) |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▶ *WINSTA*® MIDI ▶ 770 Series

## Pole number: 2 ▶ Number of connection points: 2 ▶ Protection type: IP20

2

### Female connector/socket




770-202

**General mains applications**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | L N | 770-202 | 100 |
| white | A | L N | 770-222 | 100 |

**Control technology**

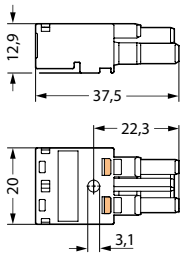
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 | 770-242 | 100 |
| gray | B | L N | 770-242/060-000 | 100 |
| light green | B | 1 2 | 770-262 | 100 |
| pink | B | 1 2 | 770-282 | 100 |
| pink | B | I+ I- | 770-282/080-000 | 100 |
| pink | B | + - | 770-282/082-000 | 100 |

**DALI, Lighting Management**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| blue | I | DA+ DA- | 770-1102 | 100 |

**Emergency power supply**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| dark gray | L | L' N' | 770-1162 | 100 |




**Item-Specific Accessories**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |

### Male connector/plug




770-212

**General mains applications**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | N L | 770-212 | 100 |
| white | A | N L | 770-232 | 100 |

**Control technology**

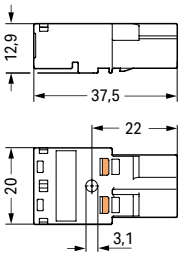
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 2 1 | 770-252 | 100 |
| gray | B | N L | 770-252/060-000 | 100 |
| light green | B | 2 1 | 770-272 | 100 |
| pink | B | 2 1 | 770-292 | 100 |
| pink | B | I- I+ | 770-292/080-000 | 100 |
| pink | B | - + | 770-292/082-000 | 100 |

**DALI, Lighting Management**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| blue | I | DA- DA+ | 770-1112 | 100 |

**Emergency power supply**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| dark gray | L | N' L' | 770-1172 | 100 |




**Item-Specific Accessories**



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 770-101 | 100 (25) |
| white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 770-111 | 100 (25) |
| white | 770-131 | 100 (25) |



Operating tool; for WAGO *WINSTA*® MIDI Connectors; Pole number: 2

| Color | Item no. | PU (SPU) |
|---|---|---|
| green | 770-382 | 50 (1) |



Strain relief housing; Connectable sheathed cable diameter: 7 … 10.5 mm; Strip length (outer insulation): 35 mm

| Color | Item no. | PU |
|---|---|---|
| black | 770-502/041-000 | 50 |
| white | 770-512/041-000 | 50 |



Strain relief housing; Connectable sheathed cable diameter: 5 … 9 mm; Strip length (outer insulation): 35 mm

| Color | Item no. | PU |
|---|---|---|
| black | 770-502/042-000 | 50 |
| white | 770-512/042-000 | 50 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
Pole number: 2



- Protected against mismating and maintenance-free

| | | | | |
|---|---|---|---|---|
| **Electrical data** | | | | |
| **Coding** | | **I; L; A; B** | | |
| **Ratings per** | | **IEC/EN 60664-1** | | |
| Overvoltage category | III | III | II | |
| Pollution degree | 3 | 2 | 2 | |
| Nominal voltage | 250 V | - | - | |
| Rated surge voltage | 4 kV | - | - | |
| Rated current | 25 A | - | - | |
| **Approvals per** | | **UL 1977** | | |
| Rated voltage | 600 V | | | |
| Rated current | 23 A | | | |

| | |
|---|---|
| **Material Data** | |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| **Mechanical Data** | |
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | Approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | When locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |
| **Environmental requirements** | |
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 2

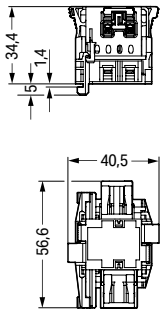
Linect® T-connector



770-7102

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ◯ white | I | DA+ DA- | 770-7102 | 25 |

| Emergency power supply | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ◯ white | L | L' N' | 770-7502 | 25 |




**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ◯ white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ◯ yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 2

T-distribution connector

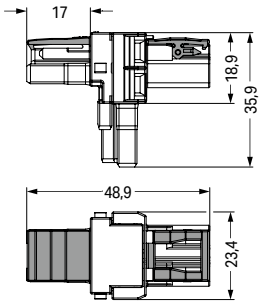
Number of locking levers: 2




770-1606

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L N | 770-1606 | 50 |
| white | A | L N | 770-1656 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 | 770-1601 | 50 |
| light green | B | 1 2 | 770-1602 | 50 |
| pink | B | 1 2 | 770-1603 | 50 |



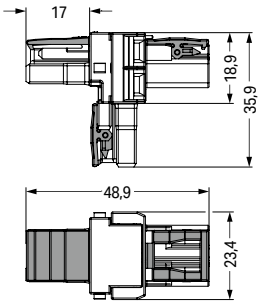

for flying leads ▸ Number of locking levers: 3




770-1615

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L N | 770-1615 | 50 |
| white | A | L N | 770-1665 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 | 770-1701 | 50 |
| light green | B | 1 2 | 770-1702 | 50 |
| pink | B | 1 2 | 770-1703 | 50 |




**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

**PU = packaging unit; SPU = subpackaging unit; Dimensions in mm**

# Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 2

h-distribution connector, outputs on both sides

Number of locking levers: 2



770-1608

Control technology

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 | 770-1608 | 50 |
| light green | B | 1 2 | 770-1609 | 50 |
| pink | B | 1 2 | 770-1610 | 50 |

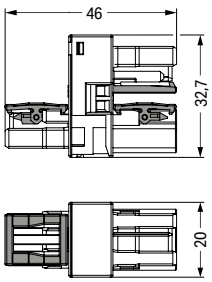
for flying leads ▸ Number of locking levers: 3



770-1658

Control technology

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 | 770-1658 | 50 |
| light green | B | 1 2 | 770-1659 | 50 |
| pink | B | 1 2 | 770-1660 | 50 |




Accessories; for all products on this page



Mounting plate; for distribution connectors (except T-distribution connectors); 2-pole

| Color | Item no. | PU |
|---|---|---|
| black | 770-1626 | 25 |
| white | 770-1627 | 25 |



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 2

h-distribution connector, outputs on one side

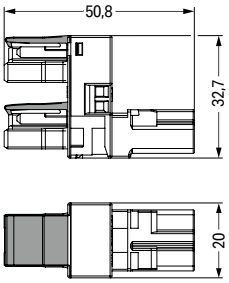
Number of locking levers: 2



770-1634

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L N | 770-1634 | 50 |
| white | A | L N | 770-1684 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 | 770-1651 | 50 |
| light green | B | 1 2 | 770-1652 | 50 |
| pink | B | 1 2 | 770-1653 | 50 |



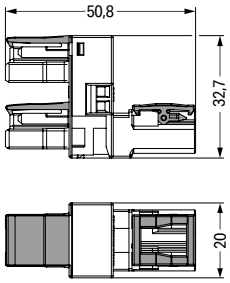

for flying leads ▸ Number of locking levers: 3



770-1636

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L N | 770-1636 | 50 |
| white | A | L N | 770-1686 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 | 770-1751 | 50 |
| light green | B | 1 2 | 770-1752 | 50 |
| pink | B | 1 2 | 770-1753 | 50 |




**Accessories; for all products on this page**



Mounting plate; for distribution connectors (except T-distribution connectors); 2-pole

| Color | Item no. | PU |
|---|---|---|
| black | 770-1626 | 25 |
| white | 770-1627 | 25 |



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

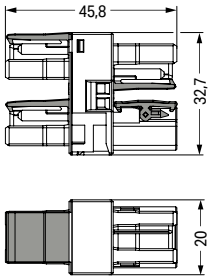
# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 2

Distribution connector, 3-way ▶ Number of locking levers: 4



770-1704

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 | 770-1704 | 50 |
| light green | B | 1 2 | 770-1705 | 50 |
| pink | B | 1 2 | 770-1706 | 50 |




**Accessories; for all products on this page**



Mounting plate; for distribution connectors (except T-distribution connectors); 2-pole

| Color | Item no. | PU |
|---|---|---|
| black | 770-1626 | 25 |
| white | 770-1627 | 25 |



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

## Pole number: 2 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$



- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Two wire connections per pole for loops or bridges

| Electrical data | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Coding | A; B; I; L | | | A; L | | | B | | |
| Wire cross-section | 1.5 mm² | | | 2.5 mm² | | | 1 mm² | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 250 V | - | - | 250 V | - | - | 250 V | - | - |
| Rated surge voltage | 4 kV | - | - | 4 kV | - | - | 4 kV | - | - |
| Rated current | 16 A | - | - | 20 A | - | - | 10 A | - | - |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| Fire class per EN 50575 | $E_{ca}$ |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | when unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | when locked: > 80N |
| Protection type | IP20 |
| Note on protection type | When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

Cables with a different fire class can be found in the eSHOP.

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

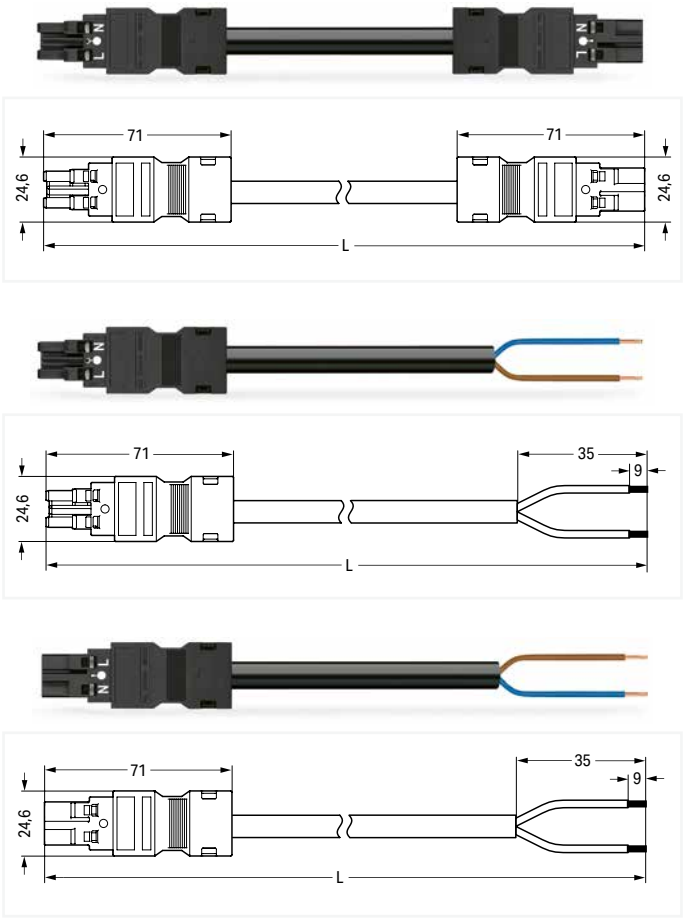

| | |
|---|---|
| Cover | Page 368 |
| Marking | Page 397 |


See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 2 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 1.5 mm² ▶ Marking: L N ▶ PVC ▶ Sheathed cable diameter: 6.8 … 8.6 mm ▶ H05VV-F 2x1.5 ▶ General mains applications




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-8992/006-101 | 771-8992/006-102 | | 1 |
| 2 m | 771-8992/006-201 | 771-8992/006-202 | | 1 |
| 3 m | 771-8992/006-301 | 771-8992/006-302 | | 1 |
| 4 m | 771-8992/006-401 | 771-8992/006-402 | | 1 |
| 5 m | 771-8992/006-501 | 771-8992/006-502 | | 1 |
| 6 m | 771-8992/006-601 | 771-8992/006-602 | | 1 |
| 7 m | 771-8992/006-701 | 771-8992/006-702 | | 1 |
| 8 m | 771-8992/006-801 | 771-8992/006-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-8992/106-101 | 771-8992/106-102 | | 1 |
| 2 m | 771-8992/106-201 | 771-8992/106-202 | | 1 |
| 3 m | 771-8992/106-301 | 771-8992/106-302 | | 1 |
| 4 m | 771-8992/106-401 | 771-8992/106-402 | | 1 |
| 5 m | 771-8992/106-501 | 771-8992/106-502 | | 1 |
| 6 m | 771-8992/106-601 | 771-8992/106-602 | | 1 |
| 7 m | 771-8992/106-701 | 771-8992/106-702 | | 1 |
| 8 m | 771-8992/106-801 | 771-8992/106-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-8992/206-101 | 771-8992/206-102 | | 1 |
| 2 m | 771-8992/206-201 | 771-8992/206-202 | | 1 |
| 3 m | 771-8992/206-301 | 771-8992/206-302 | | 1 |
| 4 m | 771-8992/206-401 | 771-8992/206-402 | | 1 |
| 5 m | 771-8992/206-501 | 771-8992/206-502 | | 1 |
| 6 m | 771-8992/206-601 | 771-8992/206-602 | | 1 |
| 7 m | 771-8992/206-701 | 771-8992/206-702 | | 1 |
| 8 m | 771-8992/206-801 | 771-8992/206-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

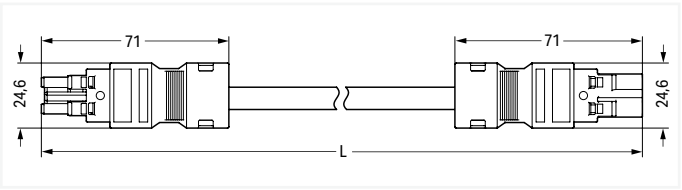
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

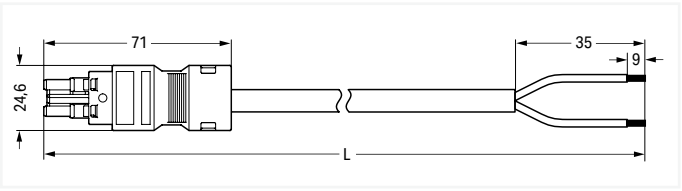
Pole number: 2 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 1.5 mm² ▶ Marking: L N ▶ Halogen-free ▶ Sheathed cable diameter: 6.8 … 8.6 mm ▶ H05Z1Z1-F 2x1.5 ▶ General mains applications



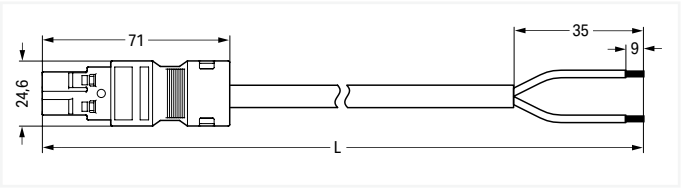









| Interconnecting cable ▶ Socket - Plug | | | | |
|---|---|---|---|---|
| Total length | Connector color / Strain relief color | | | PU |
| | black / black | white / white | | |
| 1 m | 771-8992/016-101 | 771-8992/016-102 | | 1 |
| 2 m | 771-8992/016-201 | 771-8992/016-202 | | 1 |
| 3 m | 771-8992/016-301 | 771-8992/016-302 | | 1 |
| 4 m | 771-8992/016-401 | 771-8992/016-402 | | 1 |
| 5 m | 771-8992/016-501 | 771-8992/016-502 | | 1 |
| 6 m | 771-8992/016-601 | 771-8992/016-602 | | 1 |
| 7 m | 771-8992/016-701 | 771-8992/016-702 | | 1 |
| 8 m | 771-8992/016-801 | 771-8992/016-802 | | 1 |

| Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 35 mm | | | | |
|---|---|---|---|---|
| Total length | Connector color / Strain relief color | | | PU |
| | black / black | white / white | | |
| 1 m | 771-8992/116-101 | 771-8992/116-102 | | 1 |
| 2 m | 771-8992/116-201 | 771-8992/116-202 | | 1 |
| 3 m | 771-8992/116-301 | 771-8992/116-302 | | 1 |
| 4 m | 771-8992/116-401 | 771-8992/116-402 | | 1 |
| 5 m | 771-8992/116-501 | 771-8992/116-502 | | 1 |
| 6 m | 771-8992/116-601 | 771-8992/116-602 | | 1 |
| 7 m | 771-8992/116-701 | 771-8992/116-702 | | 1 |
| 8 m | 771-8992/116-801 | 771-8992/116-802 | | 1 |

| Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 35 mm | | | | |
|---|---|---|---|---|
| Total length | Connector color / Strain relief color | | | PU |
| | black / black | white / white | | |
| 1 m | 771-8992/216-101 | 771-8992/216-102 | | 1 |
| 2 m | 771-8992/216-201 | 771-8992/216-202 | | 1 |
| 3 m | 771-8992/216-301 | 771-8992/216-302 | | 1 |
| 4 m | 771-8992/216-401 | 771-8992/216-402 | | 1 |
| 5 m | 771-8992/216-501 | 771-8992/216-502 | | 1 |
| 6 m | 771-8992/216-601 | 771-8992/216-602 | | 1 |
| 7 m | 771-8992/216-701 | 771-8992/216-702 | | 1 |
| 8 m | 771-8992/216-801 | 771-8992/216-802 | | 1 |

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



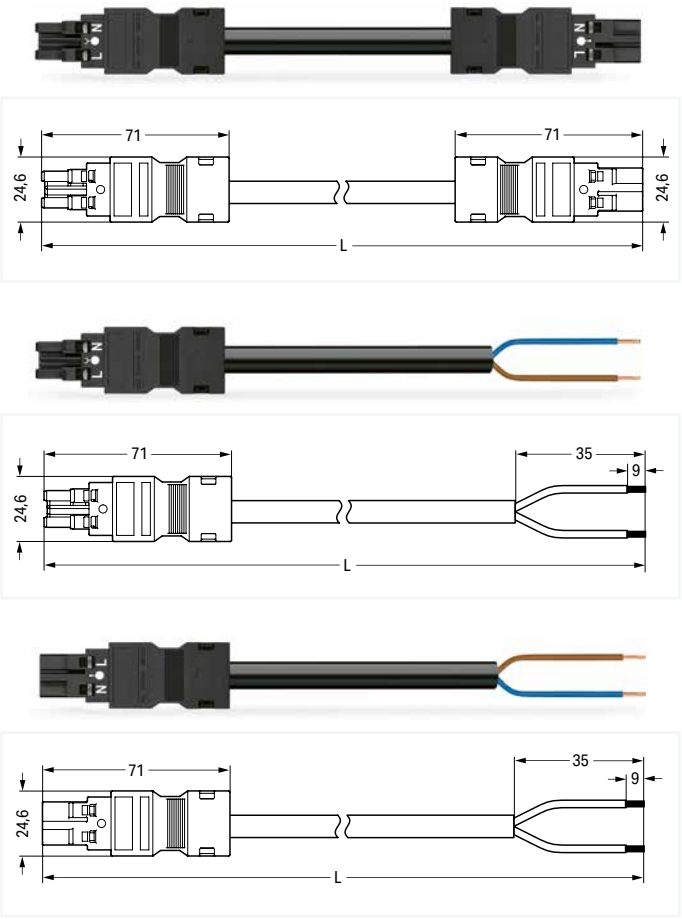
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 2 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 2.5 mm² ▶ Marking: L N ▶ PVC ▶ Sheathed cable diameter: 8.4 … 10.6 mm ▶ H05VV-F 2x2.5 ▶ General mains applications




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-8992/007-101 | 771-8992/007-102 | | 1 |
| 2 m | 771-8992/007-201 | 771-8992/007-202 | | 1 |
| 3 m | 771-8992/007-301 | 771-8992/007-302 | | 1 |
| 4 m | 771-8992/007-401 | 771-8992/007-402 | | 1 |
| 5 m | 771-8992/007-501 | 771-8992/007-502 | | 1 |
| 6 m | 771-8992/007-601 | 771-8992/007-602 | | 1 |
| 7 m | 771-8992/007-701 | 771-8992/007-702 | | 1 |
| 8 m | 771-8992/007-801 | 771-8992/007-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-8992/107-101 | 771-8992/107-102 | | 1 |
| 2 m | 771-8992/107-201 | 771-8992/107-202 | | 1 |
| 3 m | 771-8992/107-301 | 771-8992/107-302 | | 1 |
| 4 m | 771-8992/107-401 | 771-8992/107-402 | | 1 |
| 5 m | 771-8992/107-501 | 771-8992/107-502 | | 1 |
| 6 m | 771-8992/107-601 | 771-8992/107-602 | | 1 |
| 7 m | 771-8992/107-701 | 771-8992/107-702 | | 1 |
| 8 m | 771-8992/107-801 | 771-8992/107-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-8992/207-101 | 771-8992/207-102 | | 1 |
| 2 m | 771-8992/207-201 | 771-8992/207-202 | | 1 |
| 3 m | 771-8992/207-301 | 771-8992/207-302 | | 1 |
| 4 m | 771-8992/207-401 | 771-8992/207-402 | | 1 |
| 5 m | 771-8992/207-501 | 771-8992/207-502 | | 1 |
| 6 m | 771-8992/207-601 | 771-8992/207-602 | | 1 |
| 7 m | 771-8992/207-701 | 771-8992/207-702 | | 1 |
| 8 m | 771-8992/207-801 | 771-8992/207-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

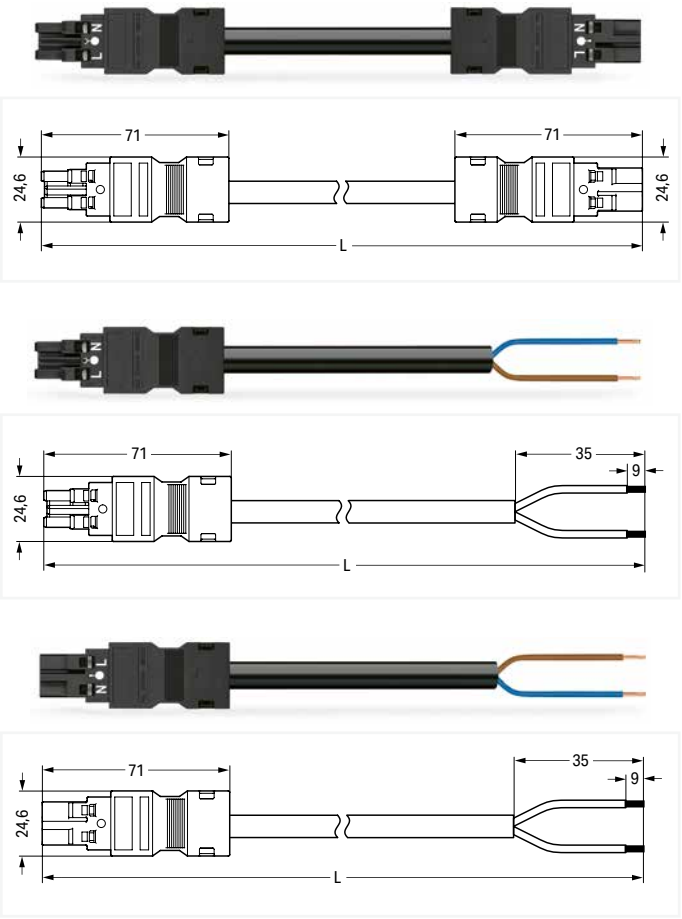
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 2 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 2.5 mm² ▶ Marking: L N ▶ Halogen-free ▶ Sheathed cable diameter: 8.4 … 10.6 mm ▶ H05Z1Z1-F 2x2.5 ▶ General mains applications






Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-8992/017-101 | 771-8992/017-102 | | 1 |
| 2 m | 771-8992/017-201 | 771-8992/017-202 | | 1 |
| 3 m | 771-8992/017-301 | 771-8992/017-302 | | 1 |
| 4 m | 771-8992/017-401 | 771-8992/017-402 | | 1 |
| 5 m | 771-8992/017-501 | 771-8992/017-502 | | 1 |
| 6 m | 771-8992/017-601 | 771-8992/017-602 | | 1 |
| 7 m | 771-8992/017-701 | 771-8992/017-702 | | 1 |
| 8 m | 771-8992/017-801 | 771-8992/017-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-8992/117-101 | 771-8992/117-102 | | 1 |
| 2 m | 771-8992/117-201 | 771-8992/117-202 | | 1 |
| 3 m | 771-8992/117-301 | 771-8992/117-302 | | 1 |
| 4 m | 771-8992/117-401 | 771-8992/117-402 | | 1 |
| 5 m | 771-8992/117-501 | 771-8992/117-502 | | 1 |
| 6 m | 771-8992/117-601 | 771-8992/117-602 | | 1 |
| 7 m | 771-8992/117-701 | 771-8992/117-702 | | 1 |
| 8 m | 771-8992/117-801 | 771-8992/117-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-8992/217-101 | 771-8992/217-102 | | 1 |
| 2 m | 771-8992/217-201 | 771-8992/217-202 | | 1 |
| 3 m | 771-8992/217-301 | 771-8992/217-302 | | 1 |
| 4 m | 771-8992/217-401 | 771-8992/217-402 | | 1 |
| 5 m | 771-8992/217-501 | 771-8992/217-502 | | 1 |
| 6 m | 771-8992/217-601 | 771-8992/217-602 | | 1 |
| 7 m | 771-8992/217-701 | 771-8992/217-702 | | 1 |
| 8 m | 771-8992/217-801 | 771-8992/217-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



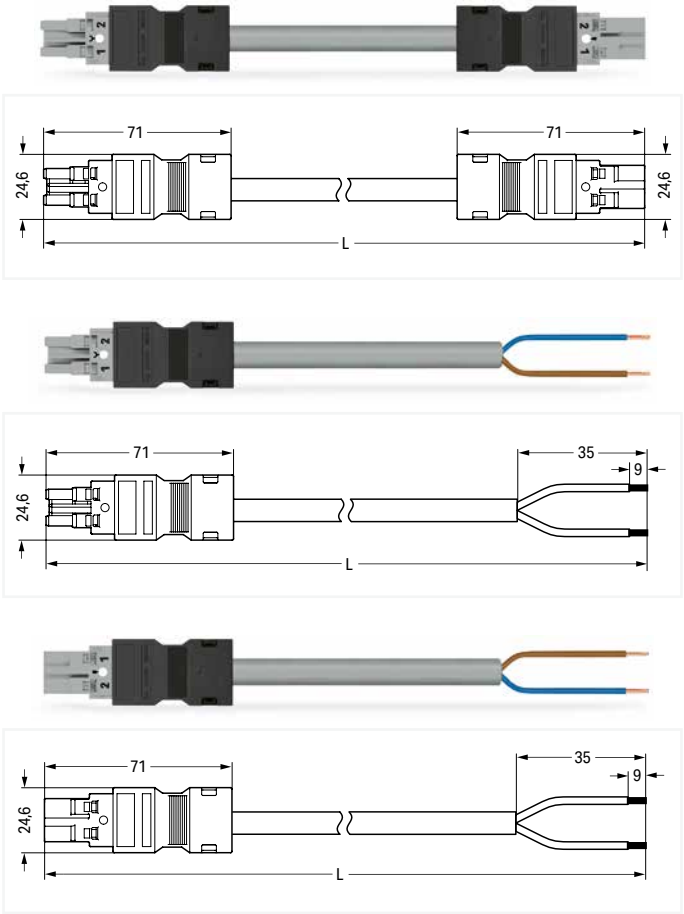
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 2 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: B ▶ 1 mm² ▶ Marking: 1 2 ▶ PVC ▶ Sheathed cable diameter: 5.9 … 7.5 mm ▶ Control line 2 x 1 ▶ Control technology




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-8992/005-103 | 771-8992/005-105 | 771-8992/005-107 | 1 |
| 2 m | 771-8992/005-203 | 771-8992/005-205 | 771-8992/005-207 | 1 |
| 3 m | 771-8992/005-303 | 771-8992/005-305 | 771-8992/005-307 | 1 |
| 4 m | 771-8992/005-403 | 771-8992/005-405 | 771-8992/005-407 | 1 |
| 5 m | 771-8992/005-503 | 771-8992/005-505 | 771-8992/005-507 | 1 |
| 6 m | 771-8992/005-603 | 771-8992/005-605 | 771-8992/005-607 | 1 |
| 7 m | 771-8992/005-703 | 771-8992/005-705 | 771-8992/005-707 | 1 |
| 8 m | 771-8992/005-803 | 771-8992/005-805 | 771-8992/005-807 | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-8992/105-103 | 771-8992/105-105 | 771-8992/105-107 | 1 |
| 2 m | 771-8992/105-203 | 771-8992/105-205 | 771-8992/105-207 | 1 |
| 3 m | 771-8992/105-303 | 771-8992/105-305 | 771-8992/105-307 | 1 |
| 4 m | 771-8992/105-403 | 771-8992/105-405 | 771-8992/105-407 | 1 |
| 5 m | 771-8992/105-503 | 771-8992/105-505 | 771-8992/105-507 | 1 |
| 6 m | 771-8992/105-603 | 771-8992/105-605 | 771-8992/105-607 | 1 |
| 7 m | 771-8992/105-703 | 771-8992/105-705 | 771-8992/105-707 | 1 |
| 8 m | 771-8992/105-803 | 771-8992/105-805 | 771-8992/105-807 | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-8992/205-103 | 771-8992/205-105 | 771-8992/205-107 | 1 |
| 2 m | 771-8992/205-203 | 771-8992/205-205 | 771-8992/205-207 | 1 |
| 3 m | 771-8992/205-303 | 771-8992/205-305 | 771-8992/205-307 | 1 |
| 4 m | 771-8992/205-403 | 771-8992/205-405 | 771-8992/205-407 | 1 |
| 5 m | 771-8992/205-503 | 771-8992/205-505 | 771-8992/205-507 | 1 |
| 6 m | 771-8992/205-603 | 771-8992/205-605 | 771-8992/205-607 | 1 |
| 7 m | 771-8992/205-703 | 771-8992/205-705 | 771-8992/205-707 | 1 |
| 8 m | 771-8992/205-803 | 771-8992/205-805 | 771-8992/205-807 | 1 |

2

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

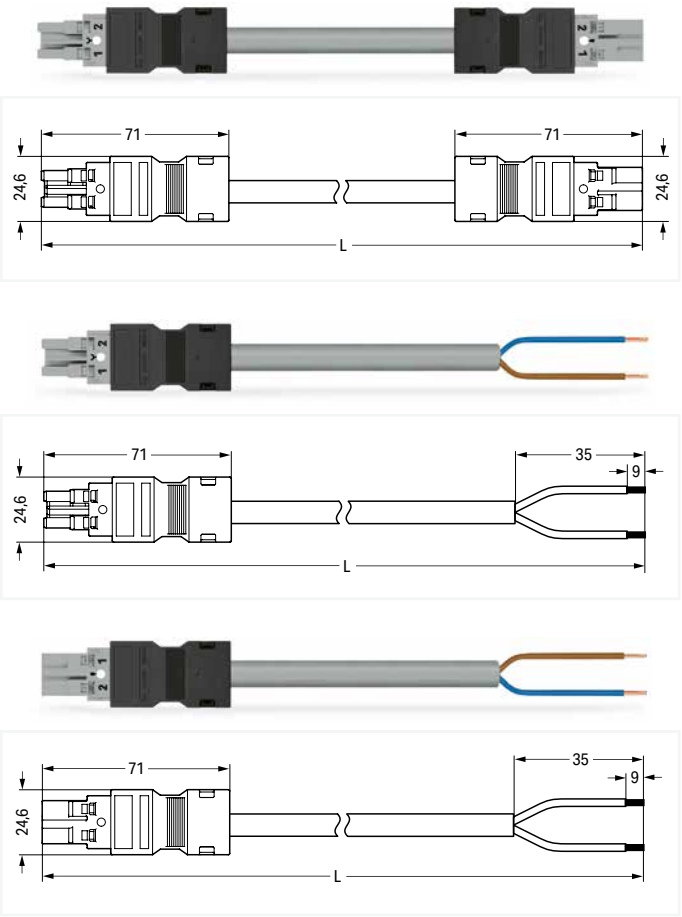
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 2 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: B ▶ 1.5 mm² ▶ Marking: 1 2 ▶ PVC ▶ Sheathed cable diameter: 6.8 … 8.6 mm ▶ Control line 2 x 1.5 ▶ Control technology






Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-8992/006-103 | 771-8992/006-105 | 771-8992/006-107 | 1 |
| 2 m | 771-8992/006-203 | 771-8992/006-205 | 771-8992/006-207 | 1 |
| 3 m | 771-8992/006-303 | 771-8992/006-305 | 771-8992/006-307 | 1 |
| 4 m | 771-8992/006-403 | 771-8992/006-405 | 771-8992/006-407 | 1 |
| 5 m | 771-8992/006-503 | 771-8992/006-505 | 771-8992/006-507 | 1 |
| 6 m | 771-8992/006-603 | 771-8992/006-605 | 771-8992/006-607 | 1 |
| 7 m | 771-8992/006-703 | 771-8992/006-705 | 771-8992/006-707 | 1 |
| 8 m | 771-8992/006-803 | 771-8992/006-805 | 771-8992/006-807 | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-8992/106-103 | 771-8992/106-105 | 771-8992/106-107 | 1 |
| 2 m | 771-8992/106-203 | 771-8992/106-205 | 771-8992/106-207 | 1 |
| 3 m | 771-8992/106-303 | 771-8992/106-305 | 771-8992/106-307 | 1 |
| 4 m | 771-8992/106-403 | 771-8992/106-405 | 771-8992/106-407 | 1 |
| 5 m | 771-8992/106-503 | 771-8992/106-505 | 771-8992/106-507 | 1 |
| 6 m | 771-8992/106-603 | 771-8992/106-605 | 771-8992/106-607 | 1 |
| 7 m | 771-8992/106-703 | 771-8992/106-705 | 771-8992/106-707 | 1 |
| 8 m | 771-8992/106-803 | 771-8992/106-805 | 771-8992/106-807 | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-8992/206-103 | 771-8992/206-105 | 771-8992/206-107 | 1 |
| 2 m | 771-8992/206-203 | 771-8992/206-205 | 771-8992/206-207 | 1 |
| 3 m | 771-8992/206-303 | 771-8992/206-305 | 771-8992/206-307 | 1 |
| 4 m | 771-8992/206-403 | 771-8992/206-405 | 771-8992/206-407 | 1 |
| 5 m | 771-8992/206-503 | 771-8992/206-505 | 771-8992/206-507 | 1 |
| 6 m | 771-8992/206-603 | 771-8992/206-605 | 771-8992/206-607 | 1 |
| 7 m | 771-8992/206-703 | 771-8992/206-705 | 771-8992/206-707 | 1 |
| 8 m | 771-8992/206-803 | 771-8992/206-805 | 771-8992/206-807 | 1 |

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



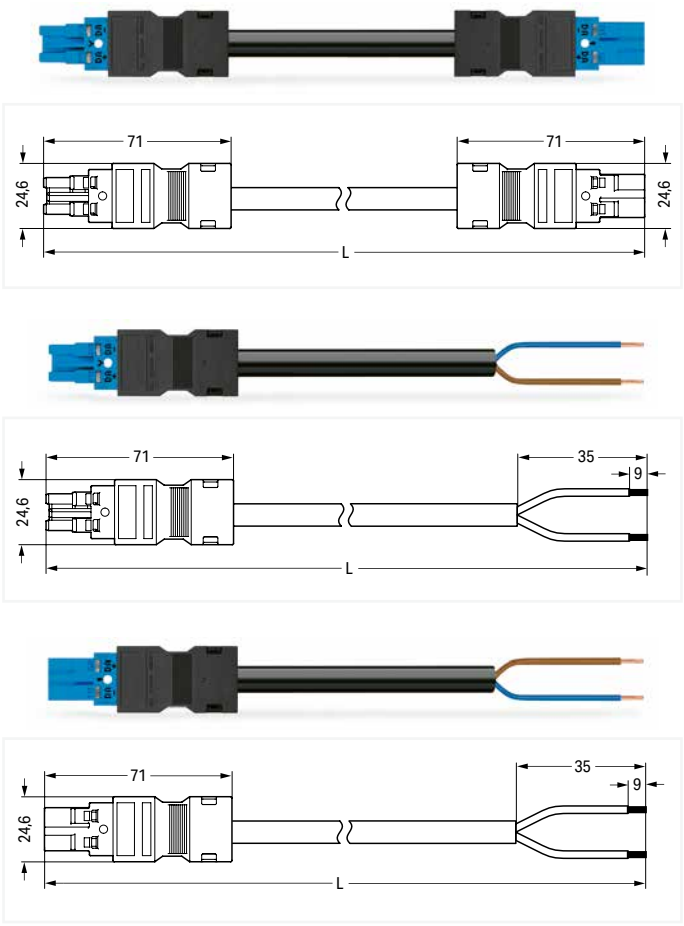
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 2 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: I ▶ 1.5 mm² ▶ Marking: DA+ DA- ▶ PVC ▶ Sheathed cable diameter: 6.8 … 8.6 mm ▶ H05VV-F 2x1.5 ▶ DALI, Lighting Management




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 771-8982/006-101 | 771-8982/006-102 | | 1 |
| 2 m | 771-8982/006-201 | 771-8982/006-202 | | 1 |
| 3 m | 771-8982/006-301 | 771-8982/006-302 | | 1 |
| 4 m | 771-8982/006-401 | 771-8982/006-402 | | 1 |
| 5 m | 771-8982/006-501 | 771-8982/006-502 | | 1 |
| 6 m | 771-8982/006-601 | 771-8982/006-602 | | 1 |
| 7 m | 771-8982/006-701 | 771-8982/006-702 | | 1 |
| 8 m | 771-8982/006-801 | 771-8982/006-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 771-8982/106-101 | 771-8982/106-102 | | 1 |
| 2 m | 771-8982/106-201 | 771-8982/106-202 | | 1 |
| 3 m | 771-8982/106-301 | 771-8982/106-302 | | 1 |
| 4 m | 771-8982/106-401 | 771-8982/106-402 | | 1 |
| 5 m | 771-8982/106-501 | 771-8982/106-502 | | 1 |
| 6 m | 771-8982/106-601 | 771-8982/106-602 | | 1 |
| 7 m | 771-8982/106-701 | 771-8982/106-702 | | 1 |
| 8 m | 771-8982/106-801 | 771-8982/106-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 771-8982/206-101 | 771-8982/206-102 | | 1 |
| 2 m | 771-8982/206-201 | 771-8982/206-202 | | 1 |
| 3 m | 771-8982/206-301 | 771-8982/206-302 | | 1 |
| 4 m | 771-8982/206-401 | 771-8982/206-402 | | 1 |
| 5 m | 771-8982/206-501 | 771-8982/206-502 | | 1 |
| 6 m | 771-8982/206-601 | 771-8982/206-602 | | 1 |
| 7 m | 771-8982/206-701 | 771-8982/206-702 | | 1 |
| 8 m | 771-8982/206-801 | 771-8982/206-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

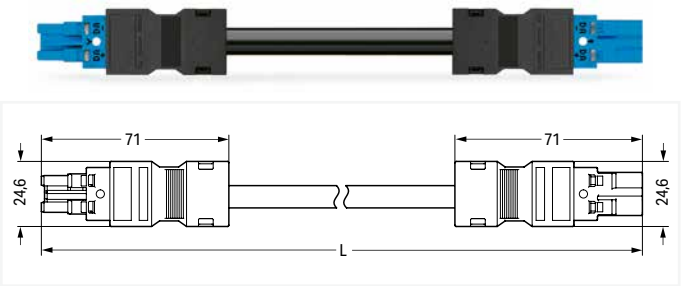
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

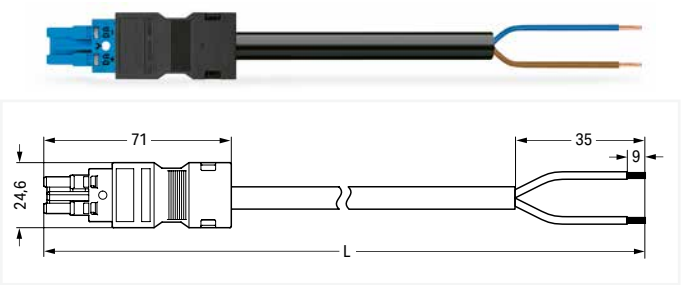
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

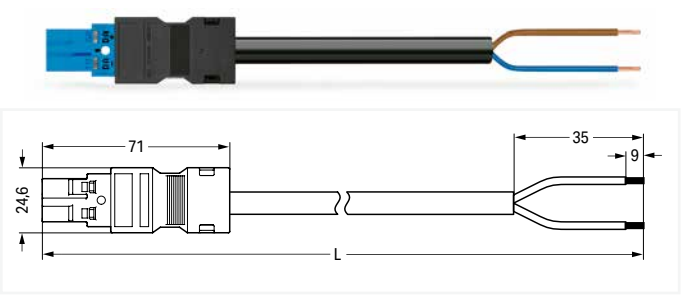
# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 2 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: I ▶ 1.5 mm² ▶ Marking: DA+ DA- ▶ Halogen-free ▶ Sheathed cable diameter: 6.8 … 8.6 mm ▶ H05Z1Z1-F 2x1.5 ▶ DALI, Lighting Management






Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 771-8982/016-101 | 771-8982/016-102 | | 1 |
| 2 m | 771-8982/016-201 | 771-8982/016-202 | | 1 |
| 3 m | 771-8982/016-301 | 771-8982/016-302 | | 1 |
| 4 m | 771-8982/016-401 | 771-8982/016-402 | | 1 |
| 5 m | 771-8982/016-501 | 771-8982/016-502 | | 1 |
| 6 m | 771-8982/016-601 | 771-8982/016-602 | | 1 |
| 7 m | 771-8982/016-701 | 771-8982/016-702 | | 1 |
| 8 m | 771-8982/016-801 | 771-8982/016-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 771-8982/116-101 | 771-8982/116-102 | | 1 |
| 2 m | 771-8982/116-201 | 771-8982/116-202 | | 1 |
| 3 m | 771-8982/116-301 | 771-8982/116-302 | | 1 |
| 4 m | 771-8982/116-401 | 771-8982/116-402 | | 1 |
| 5 m | 771-8982/116-501 | 771-8982/116-502 | | 1 |
| 6 m | 771-8982/116-601 | 771-8982/116-602 | | 1 |
| 7 m | 771-8982/116-701 | 771-8982/116-702 | | 1 |
| 8 m | 771-8982/116-801 | 771-8982/116-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 771-8982/216-101 | 771-8982/216-102 | | 1 |
| 2 m | 771-8982/216-201 | 771-8982/216-202 | | 1 |
| 3 m | 771-8982/216-301 | 771-8982/216-302 | | 1 |
| 4 m | 771-8982/216-401 | 771-8982/216-402 | | 1 |
| 5 m | 771-8982/216-501 | 771-8982/216-502 | | 1 |
| 6 m | 771-8982/216-601 | 771-8982/216-602 | | 1 |
| 7 m | 771-8982/216-701 | 771-8982/216-702 | | 1 |
| 8 m | 771-8982/216-801 | 771-8982/216-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



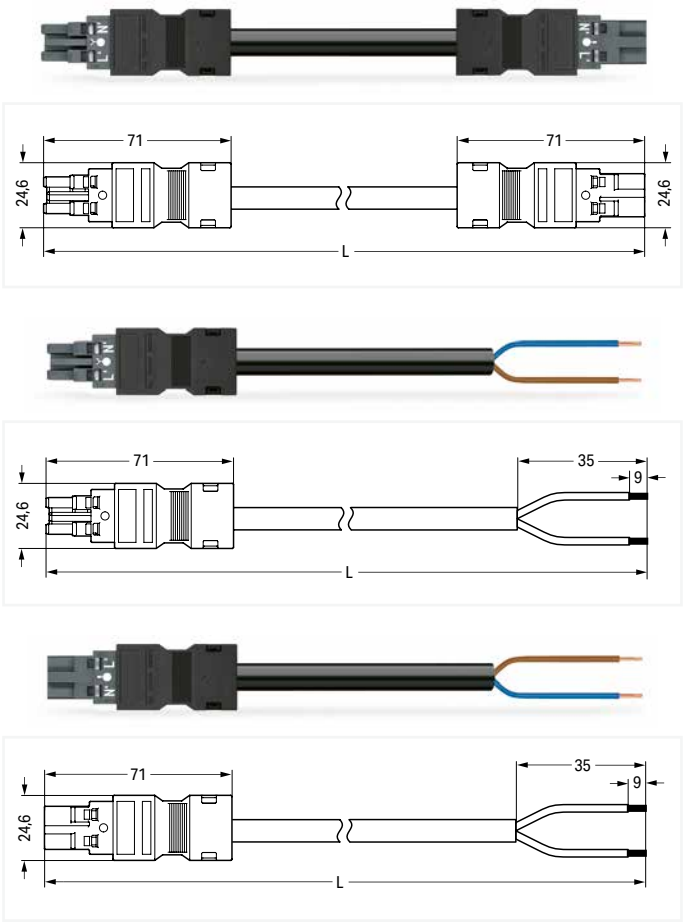
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 2 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: L ▶ 1.5 mm² ▶ Marking: L' N' ▶ PVC ▶ Sheathed cable diameter: 6.8 … 8.6 mm ▶ H05VV-F 2x1.5 ▶ Emergency power supply




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8982/006-103 | 771-8982/006-104 | | 1 |
| 2 m | 771-8982/006-203 | 771-8982/006-204 | | 1 |
| 3 m | 771-8982/006-303 | 771-8982/006-304 | | 1 |
| 4 m | 771-8982/006-403 | 771-8982/006-404 | | 1 |
| 5 m | 771-8982/006-503 | 771-8982/006-504 | | 1 |
| 6 m | 771-8982/006-603 | 771-8982/006-604 | | 1 |
| 7 m | 771-8982/006-703 | 771-8982/006-704 | | 1 |
| 8 m | 771-8982/006-803 | 771-8982/006-804 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8982/106-103 | 771-8982/106-104 | | 1 |
| 2 m | 771-8982/106-203 | 771-8982/106-204 | | 1 |
| 3 m | 771-8982/106-303 | 771-8982/106-304 | | 1 |
| 4 m | 771-8982/106-403 | 771-8982/106-404 | | 1 |
| 5 m | 771-8982/106-503 | 771-8982/106-504 | | 1 |
| 6 m | 771-8982/106-603 | 771-8982/106-604 | | 1 |
| 7 m | 771-8982/106-703 | 771-8982/106-704 | | 1 |
| 8 m | 771-8982/106-803 | 771-8982/106-804 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8982/206-103 | 771-8982/206-104 | | 1 |
| 2 m | 771-8982/206-203 | 771-8982/206-204 | | 1 |
| 3 m | 771-8982/206-303 | 771-8982/206-304 | | 1 |
| 4 m | 771-8982/206-403 | 771-8982/206-404 | | 1 |
| 5 m | 771-8982/206-503 | 771-8982/206-504 | | 1 |
| 6 m | 771-8982/206-603 | 771-8982/206-604 | | 1 |
| 7 m | 771-8982/206-703 | 771-8982/206-704 | | 1 |
| 8 m | 771-8982/206-803 | 771-8982/206-804 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

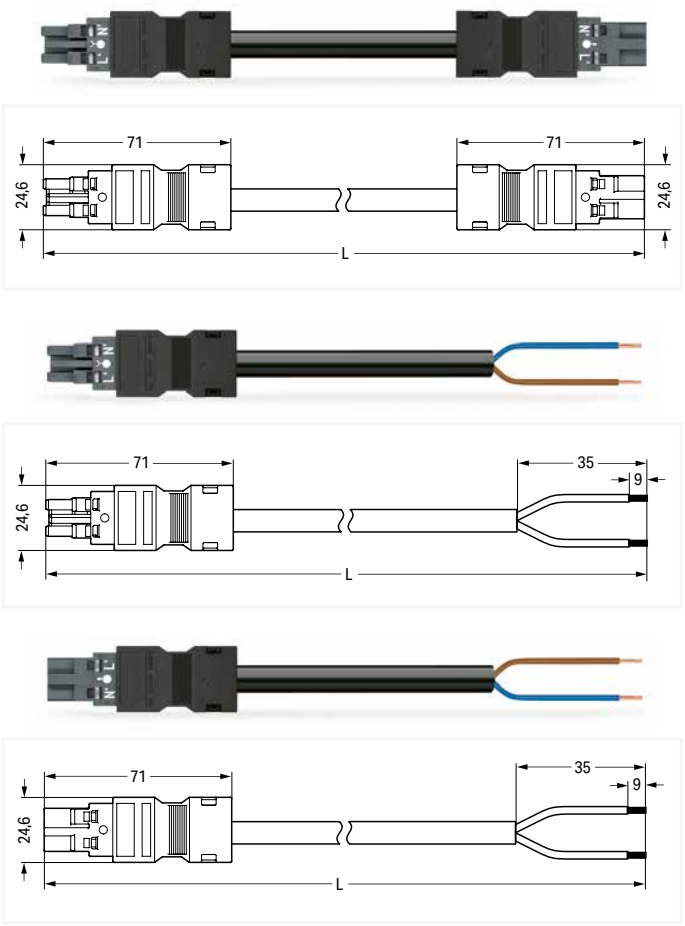
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 2 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: L ▶ 1.5 mm² ▶ Marking: L' N' ▶ Halogen-free ▶ Sheathed cable diameter: 6.8 … 8.6 mm ▶ H05Z1Z1-F 2x1.5 ▶ Emergency power supply






Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8982/016-103 | 771-8982/016-104 | | 1 |
| 2 m | 771-8982/016-203 | 771-8982/016-204 | | 1 |
| 3 m | 771-8982/016-303 | 771-8982/016-304 | | 1 |
| 4 m | 771-8982/016-403 | 771-8982/016-404 | | 1 |
| 5 m | 771-8982/016-503 | 771-8982/016-504 | | 1 |
| 6 m | 771-8982/016-603 | 771-8982/016-604 | | 1 |
| 7 m | 771-8982/016-703 | 771-8982/016-704 | | 1 |
| 8 m | 771-8982/016-803 | 771-8982/016-804 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8982/116-103 | 771-8982/116-104 | | 1 |
| 2 m | 771-8982/116-203 | 771-8982/116-204 | | 1 |
| 3 m | 771-8982/116-303 | 771-8982/116-304 | | 1 |
| 4 m | 771-8982/116-403 | 771-8982/116-404 | | 1 |
| 5 m | 771-8982/116-503 | 771-8982/116-504 | | 1 |
| 6 m | 771-8982/116-603 | 771-8982/116-604 | | 1 |
| 7 m | 771-8982/116-703 | 771-8982/116-704 | | 1 |
| 8 m | 771-8982/116-803 | 771-8982/116-804 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8982/216-103 | 771-8982/216-104 | | 1 |
| 2 m | 771-8982/216-203 | 771-8982/216-204 | | 1 |
| 3 m | 771-8982/216-303 | 771-8982/216-304 | | 1 |
| 4 m | 771-8982/216-403 | 771-8982/216-404 | | 1 |
| 5 m | 771-8982/216-503 | 771-8982/216-504 | | 1 |
| 6 m | 771-8982/216-603 | 771-8982/216-604 | | 1 |
| 7 m | 771-8982/216-703 | 771-8982/216-704 | | 1 |
| 8 m | 771-8982/216-803 | 771-8982/216-804 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



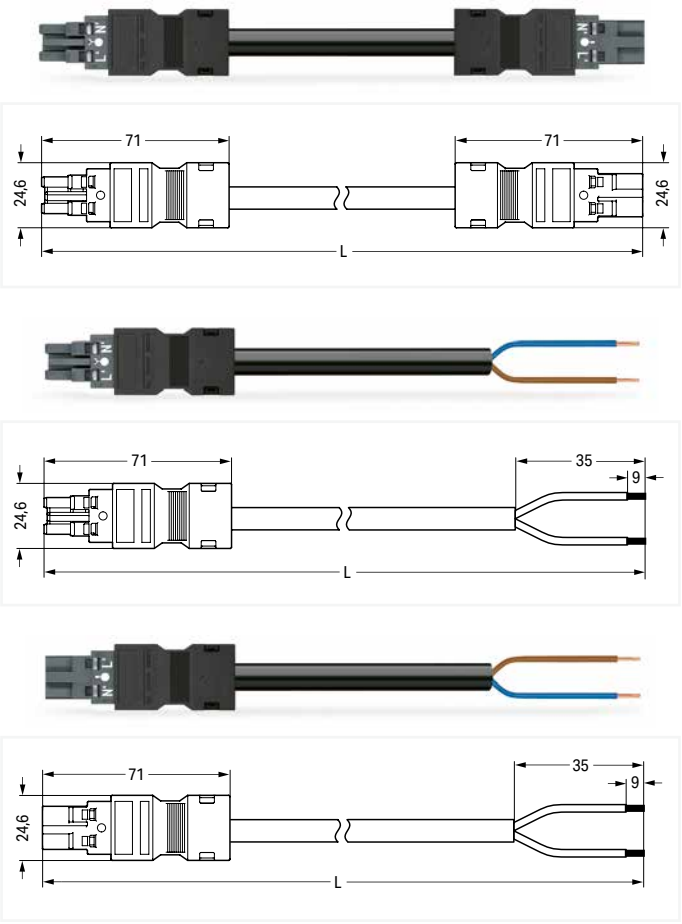
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 2 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: L ▶ 2.5 mm² ▶ Marking: L' N' ▶ PVC ▶ Sheathed cable diameter: 8.4 … 10.6 mm ▶ H05VV-F 2x2.5 ▶ Emergency power supply




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8982/007-103 | 771-8982/007-104 | | 1 |
| 2 m | 771-8982/007-203 | 771-8982/007-204 | | 1 |
| 3 m | 771-8982/007-303 | 771-8982/007-304 | | 1 |
| 4 m | 771-8982/007-403 | 771-8982/007-404 | | 1 |
| 5 m | 771-8982/007-503 | 771-8982/007-504 | | 1 |
| 6 m | 771-8982/007-603 | 771-8982/007-604 | | 1 |
| 7 m | 771-8982/007-703 | 771-8982/007-704 | | 1 |
| 8 m | 771-8982/007-803 | 771-8982/007-804 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8982/107-103 | 771-8982/107-104 | | 1 |
| 2 m | 771-8982/107-203 | 771-8982/107-204 | | 1 |
| 3 m | 771-8982/107-303 | 771-8982/107-304 | | 1 |
| 4 m | 771-8982/107-403 | 771-8982/107-404 | | 1 |
| 5 m | 771-8982/107-503 | 771-8982/107-504 | | 1 |
| 6 m | 771-8982/107-603 | 771-8982/107-604 | | 1 |
| 7 m | 771-8982/107-703 | 771-8982/107-704 | | 1 |
| 8 m | 771-8982/107-803 | 771-8982/107-804 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8982/207-103 | 771-8982/207-104 | | 1 |
| 2 m | 771-8982/207-203 | 771-8982/207-204 | | 1 |
| 3 m | 771-8982/207-303 | 771-8982/207-304 | | 1 |
| 4 m | 771-8982/207-403 | 771-8982/207-404 | | 1 |
| 5 m | 771-8982/207-503 | 771-8982/207-504 | | 1 |
| 6 m | 771-8982/207-603 | 771-8982/207-604 | | 1 |
| 7 m | 771-8982/207-703 | 771-8982/207-704 | | 1 |
| 8 m | 771-8982/207-803 | 771-8982/207-804 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

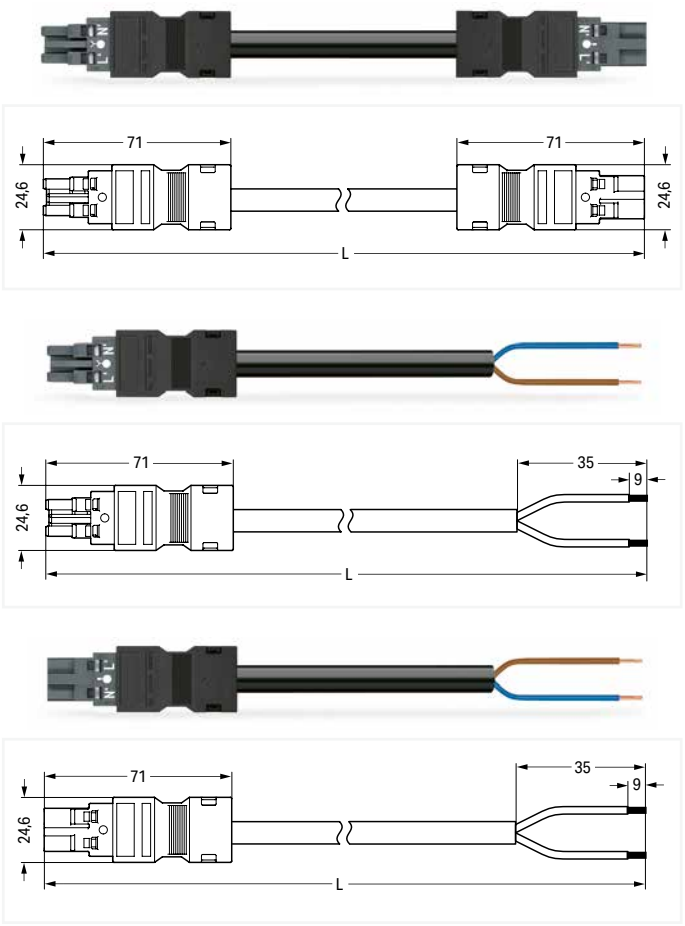
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 2 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: L ▶ 2.5 mm² ▶ Marking: L' N' ▶ Halogen-free ▶ Sheathed cable diameter: 8.4 … 10.6 mm ▶ H05Z1Z1-F 2x2.5 ▶ Emergency power supply






Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8982/017-103 | 771-8982/017-104 | | 1 |
| 2 m | 771-8982/017-203 | 771-8982/017-204 | | 1 |
| 3 m | 771-8982/017-303 | 771-8982/017-304 | | 1 |
| 4 m | 771-8982/017-403 | 771-8982/017-404 | | 1 |
| 5 m | 771-8982/017-503 | 771-8982/017-504 | | 1 |
| 6 m | 771-8982/017-603 | 771-8982/017-604 | | 1 |
| 7 m | 771-8982/017-703 | 771-8982/017-704 | | 1 |
| 8 m | 771-8982/017-803 | 771-8982/017-804 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8982/117-103 | 771-8982/117-104 | | 1 |
| 2 m | 771-8982/117-203 | 771-8982/117-204 | | 1 |
| 3 m | 771-8982/117-303 | 771-8982/117-304 | | 1 |
| 4 m | 771-8982/117-403 | 771-8982/117-404 | | 1 |
| 5 m | 771-8982/117-503 | 771-8982/117-504 | | 1 |
| 6 m | 771-8982/117-603 | 771-8982/117-604 | | 1 |
| 7 m | 771-8982/117-703 | 771-8982/117-704 | | 1 |
| 8 m | 771-8982/117-803 | 771-8982/117-804 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 35 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8982/217-103 | 771-8982/217-104 | | 1 |
| 2 m | 771-8982/217-203 | 771-8982/217-204 | | 1 |
| 3 m | 771-8982/217-303 | 771-8982/217-304 | | 1 |
| 4 m | 771-8982/217-403 | 771-8982/217-404 | | 1 |
| 5 m | 771-8982/217-503 | 771-8982/217-504 | | 1 |
| 6 m | 771-8982/217-603 | 771-8982/217-604 | | 1 |
| 7 m | 771-8982/217-703 | 771-8982/217-704 | | 1 |
| 8 m | 771-8982/217-803 | 771-8982/217-804 | | 1 |

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 3 ▶ Number of connection points: 2




- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Two wire connections per pole for loops or bridges
- Additional variable coding is possible.

2

| | | | |
|---|---|---|---|
| **Electrical data** | | | |
| **Coding** | **A; B; P; R; S** | | |
| **Ratings per** | **IEC/EN 60664-1** | | |
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 250 V | - | - |
| Rated surge voltage | 4 kV | - | - |
| Rated current | 25 A | - | - |
| **Approvals per** | **UL 1977** | | |
| Rated voltage | 600 V | | |
| Rated current | 23 A | | |

| | |
|---|---|
| **Connection data** | |
| Connection technology | Push-in CAGE CLAMP® |
| Strip length | 9 mm / 0.35 inches |
| Nominal cross-section | 4 mm² / 12 AWG |
| Solid conductor | 0.5 … 4 mm² / 20 … 12 AWG |
| Solid conductor; push-in termination | 1.5 … 4 mm² / 16 … 12 AWG |
| Stranded conductor | 0.5 … 2.5 mm² / 20 … 14 AWG |
| Fine-stranded conductor | 0.5 … 4 mm² / 20 … 12 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 … 1.5 mm² / 20 … 16 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 … 2.5 mm² / 20 … 14 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 1.5 mm² / 16 AWG |
| **Material Data** | |
| Insulation material | Polyamide (PA66) |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| **Mechanical Data** | |
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |
| **Environmental requirements** | |
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).


| | |
|---|---|
| Coding | Page 371 |
| Installation | Page 382 |
| Marking | Page 397 |
| Shield termination | Page 375 |
| Strain relief | Page 376 |
| Tool | Page 392 |


See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 3 ▸ Number of connection points: 2

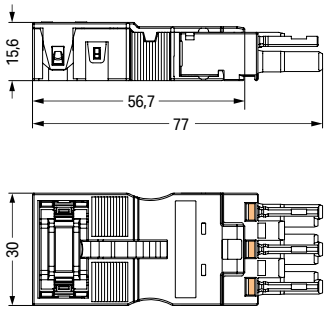
Strain relief house, for quick assembly ▸ Female connector/socket ▸ Strip length (outer insulation): 48 mm ▸ Connectable sheathed cable diameter : 7 … 11.5 mm



770-203/035-000

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | L ⏚ N | 770-203/035-000 | 25 |
| ○ white | A | L ⏚ N | 770-223/035-050 | 25 |




Overall length when mated

Item-Specific Accessories



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ○ white | 770-221 | 100 |

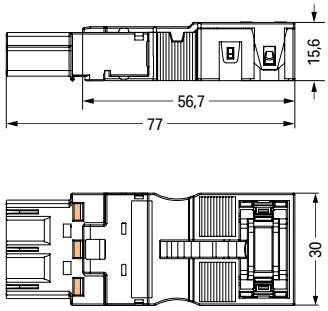
Strain relief house, for quick assembly ▸ Male connector/plug ▸ Strip length (outer insulation): 48 mm ▸ Connectable sheathed cable diameter : 7 … 11.5 mm



770-213/035-000

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | N ⏚ L | 770-213/035-000 | 25 |
| ○ white | A | N ⏚ L | 770-233/035-050 | 25 |




Overall length when mated

Item-Specific Accessories



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● yellow | 770-360 | 100 |

Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Operating tool; for WAGO *WINSTA*® MIDI Connectors; Pole number: 3

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● green | 770-383 | 50 (1) |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 3 ▸ Number of connection points: 2

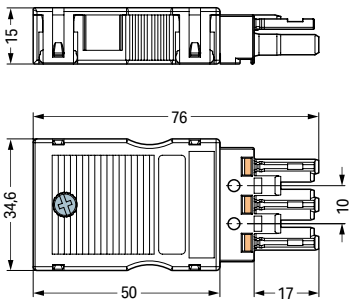
Strain relief housing ▸ Female connector/socket ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter : 8 … 11.5 mm ▸ Protection type: IP2XC

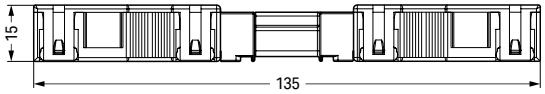


770-103

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | L ⏚ N | 770-103 | 25 |
| ○ white | A | L ⏚ N | 770-123 | 25 |




Overall length when mated

Item-Specific Accessories



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ○ white | 770-221 | 100 |

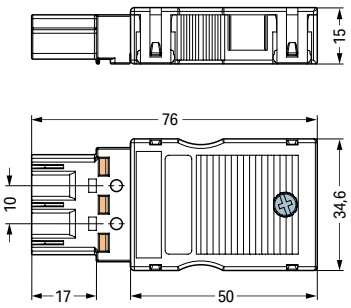
Strain relief housing ▸ Male connector/plug ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter : 8 … 11.5 mm ▸ Protection type: IP20

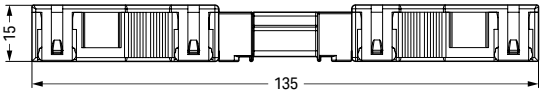


770-113

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | N ⏚ L | 770-113 | 25 |
| ○ white | A | N ⏚ L | 770-133 | 25 |




Overall length when mated

Item-Specific Accessories



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● yellow | 770-360 | 100 |

Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Operating tool; for WAGO *WINSTA*® MIDI Connectors; Pole number: 3

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● green | 770-383 | 50 (1) |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▶ *WINSTA*® MIDI ▶ 770 Series

## Pole number: 3 ▶ Number of connection points: 2

Female connector/socket ▶ Protection type: IP20




770-203

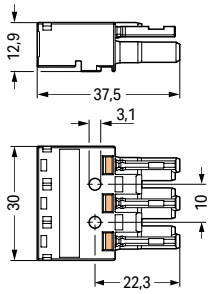
| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L ⏚ N | 770-203 | 100 |
| white | A | L ⏚ N | 770-223 | 100 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 | 770-243 | 100 |
| gray | B | L ⏚ N | 770-243/060-000 | 100 |
| gray | B | 2 PE 1 | 770-243/062-000 | 100 |
| gray | B | 1 2 5 | 770-243/081-000 | 100 |
| light green | B | 1 2 3 | 770-263 | 100 |
| light green | B | U+ X/Y U- | 770-263/071-000 | 100 |
| light green | B | 1 ⏚ 2 | 770-263/073-000 | 100 |
| pink | B | 1 2 3 | 770-283 | 100 |
| pink | B | 1 2 5 | 770-283/081-000 | 100 |
| pink | B | + S - | 770-283/082-000 | 100 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| red | P | L ⏚ N | 770-1303 | 100 |

| LON bus | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| orange | R | LON LON S | 770-1343 | 100 |

| Switching function | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| brown | S | 1 2 L | 770-1363 | 100 |




### Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 770-101 | 100 (25) |
| white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 770-111 | 100 (25) |
| white | 770-131 | 100 (25) |



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Operating tool; for WAGO *WINSTA*® MIDI Connectors; Pole number: 3

| Color | Item no. | PU (SPU) |
|---|---|---|
| green | 770-383 | 50 (1) |



Strain relief housing; Connectable sheathed cable diameter: 8 … 11.5 mm; Strip length (outer insulation): 55 mm

| Color | Item no. | PU |
|---|---|---|
| black | 770-503 | 50 |
| white | 770-513 | 50 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 3 ▶ Number of connection points: 2

Male connector/plug ▶ Protection type: IP20




2

770-213

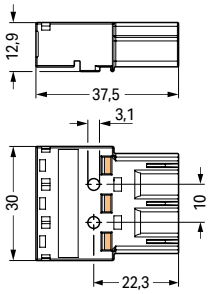
| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N ⏚ L | 770-213 | 100 |
| white | A | N ⏚ L | 770-233 | 100 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 3 2 1 | 770-253 | 100 |
| gray | B | N ⏚ L | 770-253/060-000 | 100 |
| gray | B | 1 PE 2 | 770-253/062-000 | 100 |
| gray | B | 5 2 1 | 770-253/081-000 | 100 |
| light green | B | 3 2 1 | 770-273 | 100 |
| light green | B | U- X/Y U+ | 770-273/071-000 | 100 |
| light green | B | 2 ⏚ 1 | 770-273/073-000 | 100 |
| pink | B | 3 2 1 | 770-293 | 100 |
| pink | B | 5 2 1 | 770-293/081-000 | 100 |
| pink | B | - S + | 770-293/082-000 | 100 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| red | P | N ⏚ L | 770-1313 | 100 |

| LON bus | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| orange | R | S LON LON | 770-1353 | 100 |

| Switching function | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| brown | S | L 2 1 | 770-1373 | 100 |




### Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 770-101 | 100 (25) |
| white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 770-111 | 100 (25) |
| white | 770-131 | 100 (25) |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |



Operating tool; for WAGO *WINSTA*® MIDI Connectors; Pole number: 3

| Color | Item no. | PU (SPU) |
|---|---|---|
| green | 770-383 | 50 (1) |



Strain relief housing; Connectable sheathed cable diameter: 8 … 11.5 mm; Strip length (outer insulation): 55 mm

| Color | Item no. | PU |
|---|---|---|
| black | 770-503 | 50 |
| white | 770-513 | 50 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

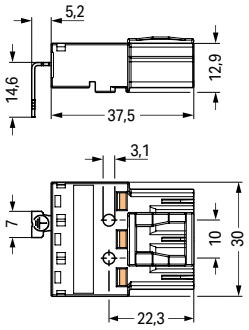
# Pluggable connectors ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 3 ▶ Number of connection points: 2

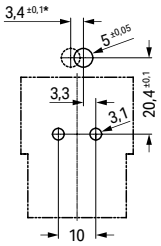
with direct ground contact ▶ Male connector/plug ▶ Protection type: IP20



770-213/002-000

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● black | A | N ⏚ L | 770-213/002-000 | 100 |
| ○ white | A | N ⏚ L | 770-233/002-000 | 100 |




* Depending on the position of the ground contact

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Snap-in device connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 3 ▶ Number of connection points: 2 ▶ Protection type: IP20



- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Two wire connections per pole for loops or bridges
- Additional variable coding is possible.



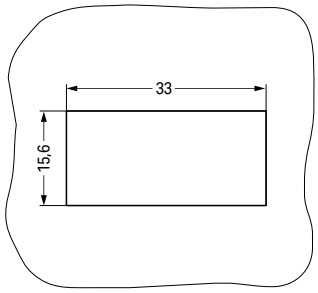



Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

| Electrical data | | | |
|---|---|---|---|
| Coding | A; B; P; R; S | | |
| Ratings per | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 250 V | - | - |
| Rated surge voltage | 4 kV | - | - |
| Rated current | 25 A | - | - |
| Approvals per | UL 1977 | | |
| Rated voltage | 600 V | | |
| Rated current | 23 A | | |

| Connection data | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Strip length | 9 mm / 0.35 inches |
| Nominal cross-section | 4 mm² / 12 AWG |
| Solid conductor | 0.5 … 4 mm² / 20 … 12 AWG |
| Solid conductor; push-in termination | 1.5 … 4 mm² / 16 … 12 AWG |
| Stranded conductor | 0.5 … 2.5 mm² / 20 … 14 AWG |
| Fine-stranded conductor | 0.5 … 4 mm² / 20 … 12 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 … 1.5 mm² / 20 … 16 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 … 2.5 mm² / 20 … 14 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 1.5 mm² / 16 AWG |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).


| | |
|---|---|
| Coding | Page 371 |
| Locking system | Page 371 |
| Tool | Page 392 |
| See technical section for further information | |
| Approvals and corresponding ratings, visit www.wago.com | |

# Snap-in device connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 3 ▶ Number of connection points: 2 ▶ Protection type: IP20

Female connector/socket



770-703

**General mains applications**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | L ⏚ N | 770-703 | 100 |
| white | A | L ⏚ N | 770-723 | 100 |

**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 | 770-743 | 100 |
| gray | B | L ⏚ N | 770-743/060-000 | 100 |
| gray | B | 2 PE 1 | 770-743/062-000 | 100 |
| light green | B | 1 2 3 | 770-763 | 100 |
| light green | B | U+ X/Y U- | 770-763/071-000 | 100 |
| light green | B | 1 ⏚ 2 | 770-763/073-000 | 100 |
| pink | B | I+ I- | 770-783/081-000 | 100 |
| pink | B | 1 2 3 | 770-783 | 100 |
| pink | B | + S - | 770-783/082-000 | 100 |

**EDV (UPS)**

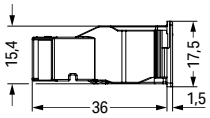
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| red | P | L ⏚ N | 770-2303 | 100 |

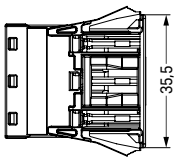
**LON bus**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| orange | R | LON LON S | 770-2343 | 100 |

**Switching function**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| brown | S | 1 2 L | 770-2363 | 100 |




**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Operating tool; for WAGO *WINSTA*® MIDI Connectors; Pole number: 3

| Color | Item no. | PU (SPU) |
|---|---|---|
| green | 770-383 | 50 (1) |



Lockout cap; for cutout; Pole number: 3

| Color | Item no. | PU |
|---|---|---|
| black | 770-643 | 100 |
| white | 770-693 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Snap-in device connector ▶ *WINSTA*® MIDI ▶ 770 Series

## Pole number: 3 ▶ Number of connection points: 2 ▶ Protection type: IP20

2

### Male connector/plug



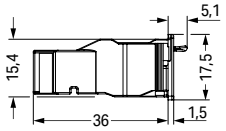
770-713

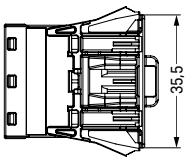
| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N ⏚ L | 770-713 | 100 |
| white | A | N ⏚ L | 770-733 | 100 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 3 2 1 | 770-753 | 100 |
| gray | B | N ⏚ L | 770-753/060-000 | 100 |
| gray | B | 1 ⏚ 2 | 770-753/062-000 | 100 |
| light green | B | 3 2 1 | 770-773 | 100 |
| light green | B | U- X/Y U+ | 770-773/071-000 | 100 |
| light green | B | 2 ⏚ 1 | 770-773/073-000 | 100 |
| pink | B | 5 2 1 | 770-793/081-000 | 100 |
| pink | B | 3 2 1 | 770-793 | 100 |
| pink | B | - S + | 770-793/082-000 | 100 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| red | P | N ⏚ L | 770-2313 | 100 |

| LON bus | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| orange | R | S LON LON | 770-2353 | 100 |




### Item-Specific Accessories



Lockout cap; for plugs; separable; Pole number: 5

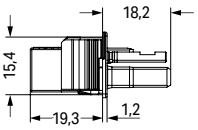
| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

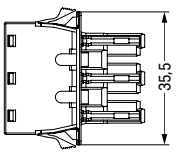
### with protruding interface ▶ Female connector/socket



770-703/009-000

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L ⏚ N | 770-703/009-000 | 100 |
| white | A | L ⏚ N | 770-723/009-000 | 100 |




### Item-Specific Accessories



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |

### Accessories; for all products on this page



Operating tool; for WAGO *WINSTA*® MIDI Connectors; Pole number: 3

| Color | Item no. | PU (SPU) |
|---|---|---|
| green | 770-383 | 50 (1) |



Lockout cap; for cutout; Pole number: 3

| Color | Item no. | PU |
|---|---|---|
| black | 770-643 | 100 |
| white | 770-693 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Snap-in device connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 3 ▶ Number of connection points: 2 ▶ Protection type: IP20

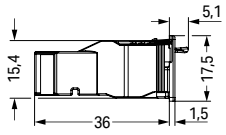
with direct ground contact ▶ Male connector/plug

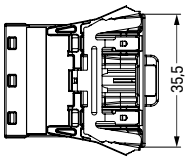


770-713/007-000

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● black | A | N ⏚ L | 770-713/007-000 | 100 |
| ○ white | A | N ⏚ L | 770-733/007-000 | 100 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● red | P | N ⏚ L | 770-2313/007-000 | 100 |




**Accessories; for all products on this page**



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● yellow | 770-360 | 100 |



Operating tool; for WAGO *WINSTA*® MIDI Connectors; Pole number: 3

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● green | 770-383 | 50 (1) |

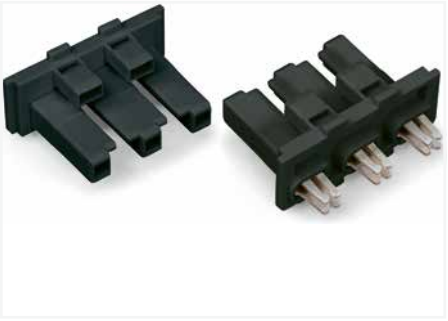


Lockout cap; for cutout; Pole number: 3

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-643 | 100 |
| ○ white | 770-693 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 3 ▶ Protection type: IP20



- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Two wire connections per pole for loops or bridges
- Additional variable coding is possible.

2

| | | | | |
|---|---|---|---|---|
| **Electrical data** | | | | |
| **Coding** | | A | | |
| **Ratings per** | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | |
| Pollution degree | 3 | 2 | 2 | |
| Nominal voltage | 250 V | - | - | |
| Rated surge voltage | 4 kV | - | - | |
| Rated current | 25 A | - | - | |
| **Approvals per** | | UL 1977 | | |
| Rated voltage | 600 V | | | |
| Rated current | 23 A | | | |
| **Material Data** | | | | |
| Insulation material | Polyamide (PA66) | | | |
| Flammability class per UL94 | V0 | | | |
| Clamping spring material | Chrome-nickel spring steel (CrNi) | | | |
| Contact material | Copper or copper alloy; surface-treated | | | |
| Contact plating | Tin | | | |
| **Mechanical Data** | | | | |
| Number of mating cycles | 200, without resistive load | | | |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) | | | |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) | | | |
| Retention force of a plug-in connection | Locked: > 80 N | | | |
| Protection type | IP20 | | | |
| **Environmental requirements** | | | | |
| Processing temperature | -5 … +40 °C | | | |
| Continuous operating temperature | -35 … +85 °C | | | |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C | | | |

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

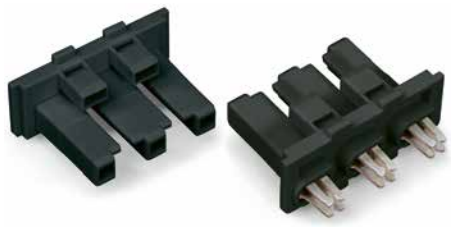
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 3 ▸ Protection type: IP20

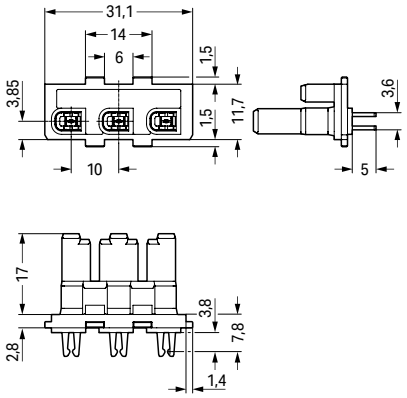
### Female connector/socket



770-408

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | plain | 770-408 | 100 |
| ○ white | A | plain | 770-428 | 100 |



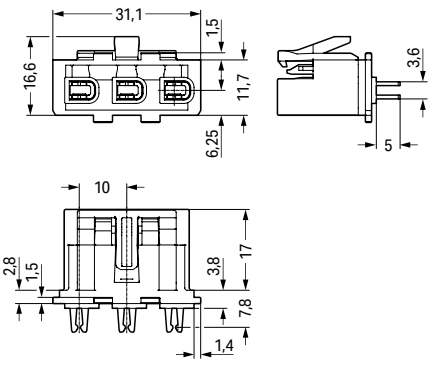

### Male connector/plug



770-418

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | plain | 770-418 | 100 |
| ○ white | A | plain | 770-438 | 100 |




### Item-Specific Accessories



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ○ white | 770-221 | 100 |

### Item-Specific Accessories



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable PCB connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 3




- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology for direct termination of solid conductors
- Additional variable coding possible

2

| Electrical data | | | | |
|---|---|---|---|---|
| Coding | A; B | | | |
| Ratings per | IEC/EN 60664-1 | | | |
| Overvoltage category | III | III | II | |
| Pollution degree | 3 | 2 | 2 | |
| Nominal voltage | 250 V | - | - | |
| Rated surge voltage | 4 kV | - | - | |
| Rated current | 25 A | - | - | |
| Approvals per | UL 1977 | | | |
| Rated voltage | 600 V | | | |
| Rated current | 23 A | | | |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Solder pin arrangement | 2 in-line solder pins/pole |
| Number of solder pins per potential | 2 |
| Solder pin length | 3.5 mm |
| Solder pin dimensions | 1 x 0.8 mm |
| Drilled hole diameter with tolerance | 1.5 $^{(-0.1\ \ldots\ +0.1)}$ mm |
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Coding Page 371

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Pluggable PCB connector ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 3



### straight ▸ Female connector/socket




770-803

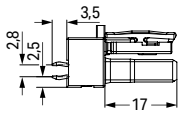
**General mains applications**

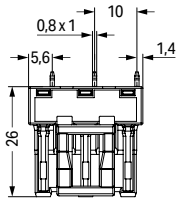
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | L ⏚ N | 770-803 | 100 |
| white | A | L ⏚ N | 770-823 | 100 |

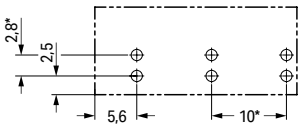
**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 | 770-843 | 100 |
| gray | B | L ⏚ N | 770-843/060-000 | 100 |
| gray | B | 2 PE 1 | 770-843/062-000 | 100 |
| light green | B | 1 2 3 | 770-863 | 100 |
| light green | B | U+ X/Y U- | 770-863/071-000 | 100 |
| light green | B | 1 ⏚ 2 | 770-863/073-000 | 100 |
| pink | B | 1 2 3 | 770-883 | 100 |
| pink | B | 1 2 5 | 770-883/081-000 | 100 |
| pink | B | + S - | 770-883/082-000 | 100 |




* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

### Item-Specific Accessories



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |

### straight ▸ Male connector/plug



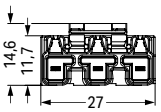

770-813

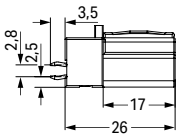
**General mains applications**

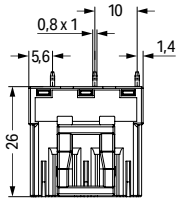
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | N ⏚ L | 770-813 | 100 |
| white | A | N ⏚ L | 770-833 | 100 |

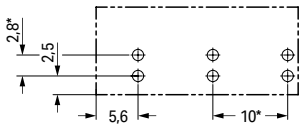
**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 3 2 1 | 770-853 | 100 |
| gray | B | N ⏚ L | 770-853/060-000 | 100 |
| gray | B | 1 PE 2 | 770-853/062-000 | 100 |
| light green | B | 3 2 1 | 770-873 | 100 |
| light green | B | U- X/Y U+ | 770-873/071-000 | 100 |
| light green | B | 2 ⏚ 1 | 770-873/073-000 | 100 |
| pink | B | 3 2 1 | 770-893 | 100 |
| pink | B | 5 2 1 | 770-893/081-000 | 100 |
| pink | B | - S + | 770-893/082-000 | 100 |




* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

### Item-Specific Accessories



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable PCB connector ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 3

2

### angled ▸ Female connector/socket



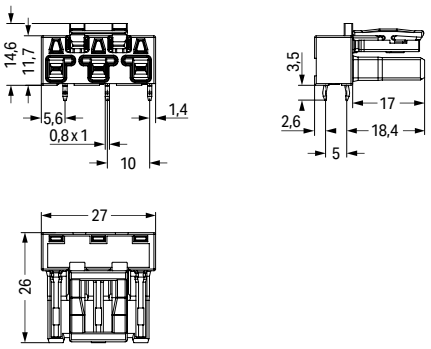
770-803/011-000

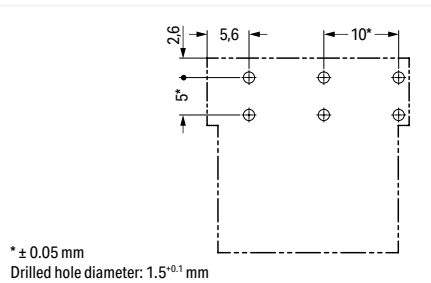
**General mains applications**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | L ⏚ N | 770-803/011-000 | 100 |
| white | A | L ⏚ N | 770-823/011-000 | 100 |

**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 | 770-843/011-000 | 100 |
| gray | B | L ⏚ N | 770-843/011-000/060-000 | 100 |
| gray | B | 2 PE 1 | 770-843/011-000/062-000 | 100 |
| light green | B | 1 2 3 | 770-863/011-000 | 100 |
| light green | B | U+ X/Y U- | 770-863/011-000/071-000 | 100 |
| light green | B | 1 ⏚ 2 | 770-863/011-000/073-000 | 100 |
| pink | B | 1 2 3 | 770-883/011-000 | 100 |
| pink | B | 1 2 5 | 770-883/011-000/081-000 | 100 |
| pink | B | + S - | 770-883/011-000/082-000 | 100 |




* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

### Item-Specific Accessories



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |

### angled ▸ Male connector/plug



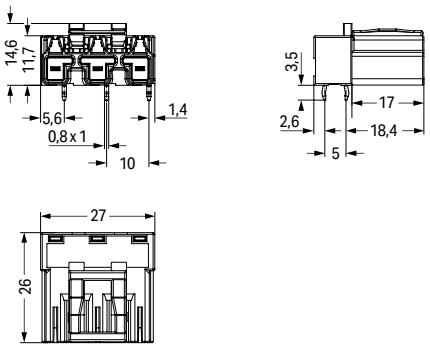
770-813/011-000

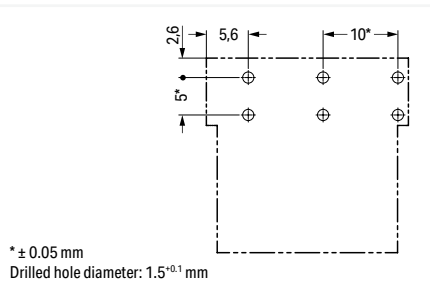
**General mains applications**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | N ⏚ L | 770-813/011-000 | 100 |
| white | A | N ⏚ L | 770-833/011-000 | 100 |

**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 3 2 1 | 770-853/011-000 | 100 |
| gray | B | N ⏚ L | 770-853/011-000/060-000 | 100 |
| gray | B | 1 PE 2 | 770-853/011-000/062-000 | 100 |
| light green | B | 3 2 1 | 770-873/011-000 | 100 |
| light green | B | U- X/Y U+ | 770-873/011-000/071-000 | 100 |
| light green | B | 2 ⏚ 1 | 770-873/011-000/073-000 | 100 |
| pink | B | 3 2 1 | 770-893/011-000 | 100 |
| pink | B | 5 2 1 | 770-893/011-000/081-000 | 100 |
| pink | B | - S + | 770-893/011-000/082-000 | 100 |




* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

### Item-Specific Accessories



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 3



- Protected against mismating and maintenance-free
- Additional variable coding is possible.

2

| | | | | |
|---|---|---|---|---|
| **Electrical data** | | | | |
| **Coding** | **A; B; R; P** | | | |
| **Ratings per** | **IEC/EN 60664-1** | | | |
| Overvoltage category | III | III | II | |
| Pollution degree | 3 | 2 | 2 | |
| Nominal voltage | 250 V | - | - | |
| Rated surge voltage | 4 kV | - | - | |
| Rated current | 25 A | - | - | |
| **Approvals per** | **UL 1977** | | | |
| Rated voltage | 600 V | | | |
| Rated current | 23 A | | | |
| **Material Data** | | | | |
| Contact material | Copper or copper alloy; surface-treated | | | |
| Contact plating | Tin | | | |
| **Mechanical Data** | | | | |
| Number of mating cycles | 200, without resistive load | | | |
| Mating force of a plug-in connection | Approx. 20 … 70 N (depending on pole number) | | | |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) | | | |
| Retention force of a plug-in connection | When locked: > 80 N | | | |
| Protection type | IP20 | | | |
| Note on protection type | When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) | | | |
| **Environmental requirements** | | | | |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C | | | |

At least one snap-in connector **without** a locking lever is required on one side when connecting two lights directly via intermediate coupler.

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

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See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 3

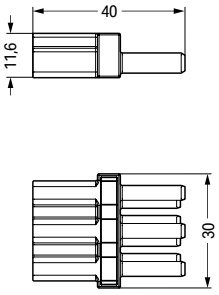
Intermediate coupler



770-603

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | plain | 770-603 | 100 |
| ○ white | A | plain | 770-653 | 100 |




**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ○ white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ◯ yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 3

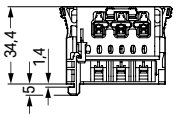
Linect® T-connector

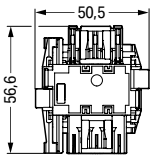


770-6223

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ◯ white | A | L ⏚ N | 770-6223 | 25 |




**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ◯ white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ◯ yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 3

T-distribution connector

Number of locking levers: 2



770-606

General mains applications

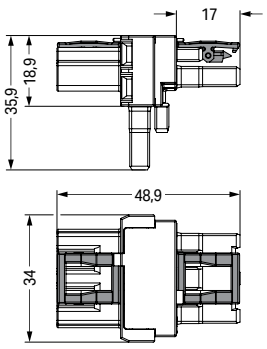
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | L ⏚ N | 770-606 | 50 |
| white | A | L ⏚ N | 770-656 | 50 |

Control technology

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 | 770-967 | 50 |
| light green | B | 1 2 3 | 770-1612 | 50 |
| pink | B | 1 2 3 | 770-1613 | 50 |

LON bus

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| orange | R | LON LON S | 770-667 | 50 |




for flying leads ▸ Number of locking levers: 3



770-615

General mains applications

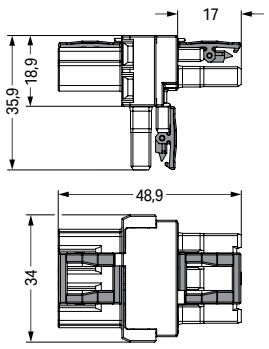
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | L ⏚ N | 770-615 | 50 |
| white | A | L ⏚ N | 770-665 | 50 |

Control technology

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 | 770-970 | 50 |
| light green | B | 1 2 3 | 770-1712 | 50 |
| pink | B | 1 2 3 | 770-1713 | 50 |

LON bus

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| orange | R | LON LON S | 770-670 | 50 |




Accessories; for all products on this page



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Mounting carrier; for T-distribution connectors; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| silver-colored | 770-354 | 50 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 3

h-distribution connector, outputs on both sides

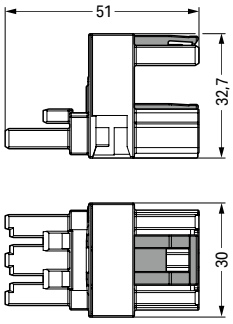
Number of locking levers: 2



770-633

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L ⏚ N | 770-633 | 50 |
| white | A | L ⏚ N | 770-683 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 | 770-1764 | 50 |
| light green | B | 1 2 3 | 770-1765 | 50 |
| pink | B | 1 2 3 | 770-1766 | 50 |



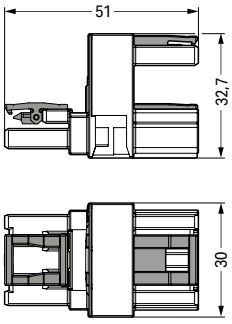

for flying leads ▸ Number of locking levers: 3



770-635

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L ⏚ N | 770-635 | 50 |
| white | A | L ⏚ N | 770-685 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 | 770-1767 | 50 |
| light green | B | 1 2 3 | 770-1768 | 50 |
| pink | B | 1 2 3 | 770-1769 | 50 |




**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |



Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole

| Color | Item no. | PU |
|---|---|---|
| black | 770-623 | 25 |
| white | 770-673 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 3

h-distribution connector, outputs on one side

Number of locking levers: 2

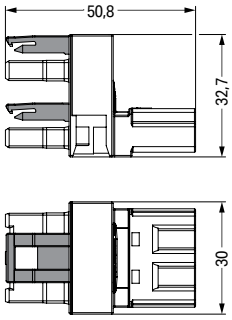


770-634

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L ⏚ N | 770-634 | 50 |
| white | A | L ⏚ N | 770-684 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 | 770-1661 | 50 |
| light green | B | 1 2 3 | 770-1662 | 50 |
| pink | B | 1 2 3 | 770-1663 | 50 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| red | P | L ⏚ N | 770-934 | 50 |




for flying leads ▸ Number of locking levers: 3

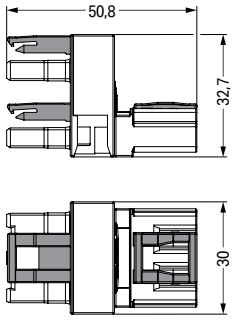


770-636

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L ⏚ N | 770-636 | 50 |
| white | A | L ⏚ N | 770-686 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 | 770-1761 | 50 |
| light green | B | 1 2 3 | 770-1762 | 50 |
| pink | B | 1 2 3 | 770-1763 | 50 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| red | P | L ⏚ N | 770-936 | 50 |




**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |



Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole

| Color | Item no. | PU |
|---|---|---|
| black | 770-623 | 25 |
| white | 770-673 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 3

Distribution connector, 3-way ▶ Number of locking levers: 4

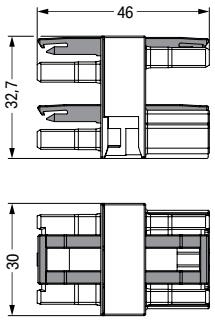


770-607

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● black | A | L ⏚ N | 770-607 | 50 |
| ○ white | A | L ⏚ N | 770-657 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● gray | B | 1 2 3 | 770-1714 | 50 |
| ● light green | B | 1 2 3 | 770-1715 | 50 |
| ● pink | B | 1 2 3 | 770-1716 | 50 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● red | P | L ⏚ N | 770-907 | 50 |




**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ○ white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● yellow | 770-360 | 100 |



Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-623 | 25 |
| ○ white | 770-673 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 3

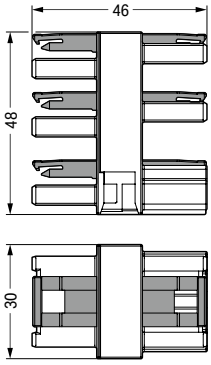
Distribution connector, 5-way ▶ Number of locking levers: 6



770-608

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | L ⏚ N | 770-608 | 25 |
| ○ white | A | L ⏚ N | 770-658 | 25 |




**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ○ white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● yellow | 770-360 | 100 |



Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-623 | 25 |
| ○ white | 770-673 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 3

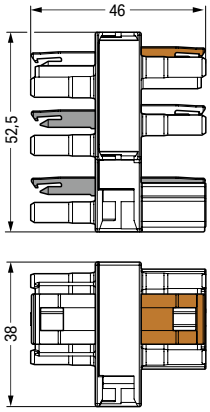
Distribution connector for single-pole switch or series circuits ▶ for single-pole switch and series circuits ▶ Number of locking levers: 6

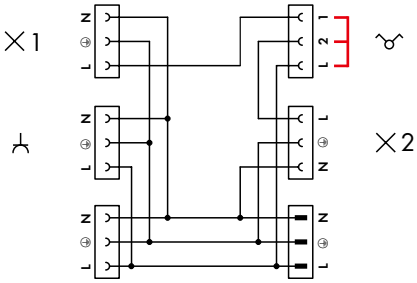


770-637

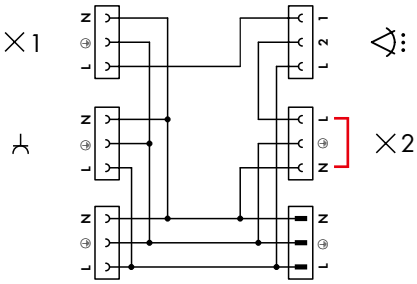
General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | plain | 770-637 | 10 |
| ○ white | A | plain | 770-687 | 10 |

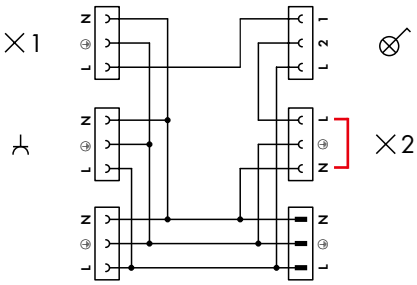



Internal circuit of 770-637 Distribution Connector with possible insertion position of 770-1373/14x-000 Shorting Plug




Internal circuit of 770-637 Distribution Connector with insertion position of 770-113/147-000 Shorting Plug for connecting a motion sensor




Internal circuit of 770-637 Distribution Connector with insertion position of 770-113/147-000 Shorting Plug for connecting a switch with control lamp

**Accessories; for all products on this page**



Shorting plug; for distribution connectors; series and two-way circuits; Pole number: 3; Coding: A

| Marking | Item no. | PU |
|---|---|---|
| ⌐¬ | 770-113/147-000 | 25 |



Shorting plug; for distribution connectors; series and two-way circuits; Pole number: 3; Coding: S

| Marking | Item no. | PU |
|---|---|---|
| ⌐ | 770-1373/146-000 | 25 |
| ⌐¬ | 770-1373/147-000 | 25 |
| ⌐ | 770-1373/148-000 | 25 |
| ⌐¬ | 770-1373/149-000 | 25 |



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ○ white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● yellow | 770-360 | 100 |



Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-623 | 25 |
| ○ white | 770-673 | 25 |

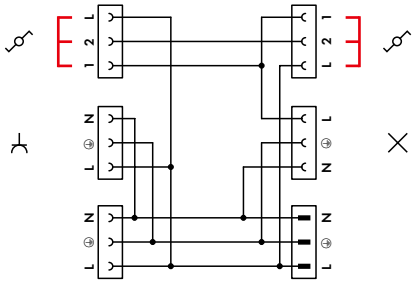
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 3

Distribution connector for single-pole switch and two-way circuits ▶ for single-pole switch and two-way circuits ▶ Number of locking levers: 6

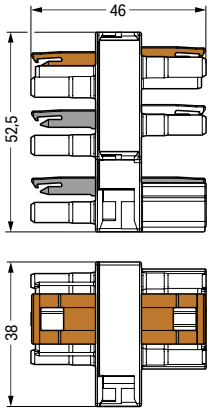


770-638




Internal circuit of 770-638 Distribution Connector with possible insertion positions of 770-1373/14x-000 Shorting Plug

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● black | A | plain | 770-638 | 10 |
| ○ white | A | plain | 770-688 | 10 |




**Accessories; for all products on this page**



Shorting plug; for distribution connectors; series and two-way circuits; Pole number: 3; Coding: S

| Marking | Item no. | PU |
|---|---|---|
| ⌐ | 770-1373/146-000 | 25 |
| ⌐‾ | 770-1373/147-000 | 25 |
| ⌐ | 770-1373/148-000 | 25 |
| ⌐⌐ | 770-1373/149-000 | 25 |



Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-623 | 25 |
| ○ white | 770-673 | 25 |



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ○ white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series
## Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$



- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Two wire connections per pole for loops or bridges
- Additional variable coding is possible.

2

| Electrical data | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Coding | A; B; P; S | | | A; P | | | A; B | | |
| Wire cross-section | 1.5 mm² | | | 2.5 mm² | | | 0.75 mm²; 1 mm² | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 250 V | - | - | 250 V | - | - | 250 V | - | - |
| Rated surge voltage | 4 kV | - | - | 4 kV | - | - | 4 kV | - | - |
| Rated current | 16 A | - | - | 20 A | - | - | 10 A | - | - |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| Fire class per EN 50575 | $E_{ca}$ |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | when unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | when locked: > 80N |
| Note on protection type | When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

Cables with a different fire class can be found in the eSHOP.

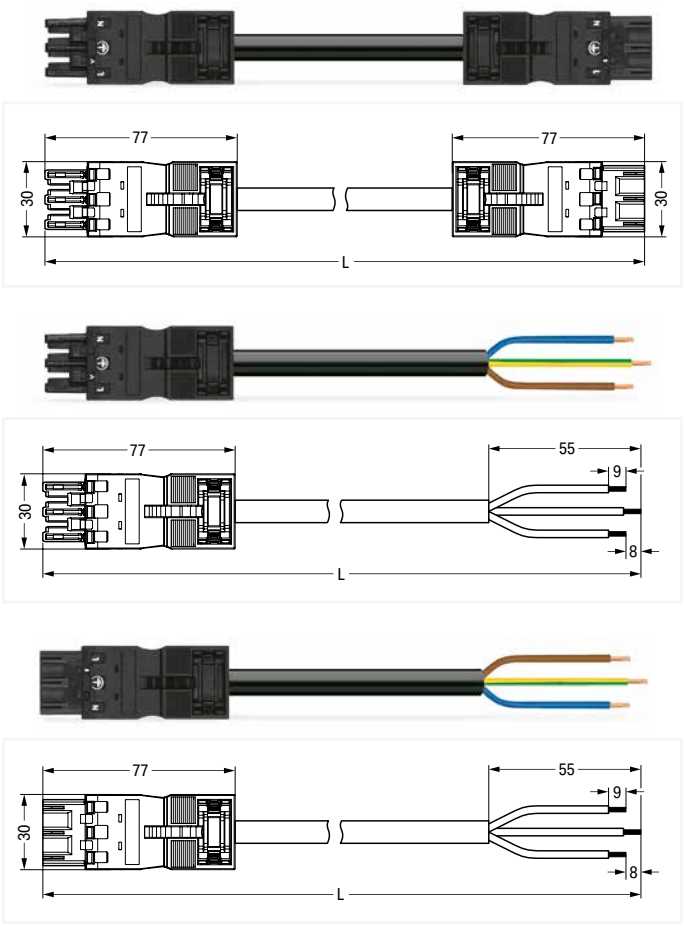
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).


| | |
|---|---|
| Coding | Page 371 |
| Cover | Page 368 |
| Marking | Page 397 |
| See technical section for further information | |
| Approvals and corresponding ratings, visit www.wago.com | |

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ Protection type: IP2XD ▶ 1.5 mm² ▶ Marking: L ⏚ N ▶ PVC ▶ Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05VV-F 3G1.5 ▶ General mains applications




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-6993/006-101 | 771-6993/006-102 | | 1 |
| 2 m | 771-6993/006-201 | 771-6993/006-202 | | 1 |
| 3 m | 771-6993/006-301 | 771-6993/006-302 | | 1 |
| 4 m | 771-6993/006-401 | 771-6993/006-402 | | 1 |
| 5 m | 771-6993/006-501 | 771-6993/006-502 | | 1 |
| 6 m | 771-6993/006-601 | 771-6993/006-602 | | 1 |
| 7 m | 771-6993/006-701 | 771-6993/006-702 | | 1 |
| 8 m | 771-6993/006-801 | 771-6993/006-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-6993/106-101 | 771-6993/106-102 | | 1 |
| 2 m | 771-6993/106-201 | 771-6993/106-202 | | 1 |
| 3 m | 771-6993/106-301 | 771-6993/106-302 | | 1 |
| 4 m | 771-6993/106-401 | 771-6993/106-402 | | 1 |
| 5 m | 771-6993/106-501 | 771-6993/106-502 | | 1 |
| 6 m | 771-6993/106-601 | 771-6993/106-602 | | 1 |
| 7 m | 771-6993/106-701 | 771-6993/106-702 | | 1 |
| 8 m | 771-6993/106-801 | 771-6993/106-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-6993/206-101 | 771-6993/206-102 | | 1 |
| 2 m | 771-6993/206-201 | 771-6993/206-202 | | 1 |
| 3 m | 771-6993/206-301 | 771-6993/206-302 | | 1 |
| 4 m | 771-6993/206-401 | 771-6993/206-402 | | 1 |
| 5 m | 771-6993/206-501 | 771-6993/206-502 | | 1 |
| 6 m | 771-6993/206-601 | 771-6993/206-602 | | 1 |
| 7 m | 771-6993/206-701 | 771-6993/206-702 | | 1 |
| 8 m | 771-6993/206-801 | 771-6993/206-802 | | 1 |



## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

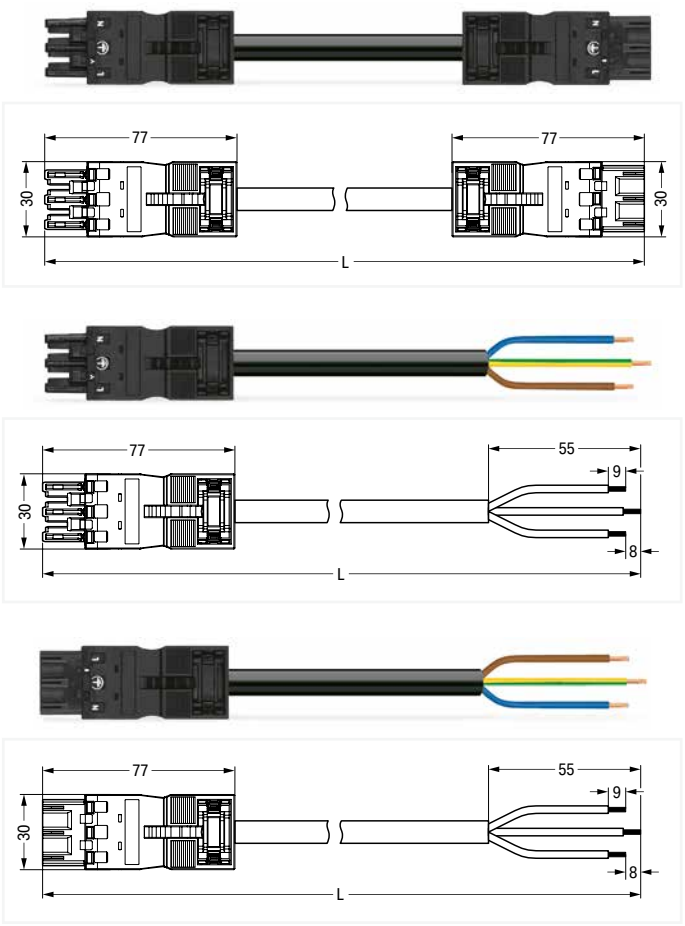
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ Protection type: IP2XD ▶ 1.5 mm² ▶ Marking: L ⏚ N ▶ Halogen-free ▶ Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05Z1Z1-F 3G1.5 ▶ General mains applications






Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-6993/016-101 | 771-6993/016-102 | | 1 |
| 2 m | 771-6993/016-201 | 771-6993/016-202 | | 1 |
| 3 m | 771-6993/016-301 | 771-6993/016-302 | | 1 |
| 4 m | 771-6993/016-401 | 771-6993/016-402 | | 1 |
| 5 m | 771-6993/016-501 | 771-6993/016-502 | | 1 |
| 6 m | 771-6993/016-601 | 771-6993/016-602 | | 1 |
| 7 m | 771-6993/016-701 | 771-6993/016-702 | | 1 |
| 8 m | 771-6993/016-801 | 771-6993/016-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-6993/116-101 | 771-6993/116-102 | | 1 |
| 2 m | 771-6993/116-201 | 771-6993/116-202 | | 1 |
| 3 m | 771-6993/116-301 | 771-6993/116-302 | | 1 |
| 4 m | 771-6993/116-401 | 771-6993/116-402 | | 1 |
| 5 m | 771-6993/116-501 | 771-6993/116-502 | | 1 |
| 6 m | 771-6993/116-601 | 771-6993/116-602 | | 1 |
| 7 m | 771-6993/116-701 | 771-6993/116-702 | | 1 |
| 8 m | 771-6993/116-801 | 771-6993/116-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-6993/216-101 | 771-6993/216-102 | | 1 |
| 2 m | 771-6993/216-201 | 771-6993/216-202 | | 1 |
| 3 m | 771-6993/216-301 | 771-6993/216-302 | | 1 |
| 4 m | 771-6993/216-401 | 771-6993/216-402 | | 1 |
| 5 m | 771-6993/216-501 | 771-6993/216-502 | | 1 |
| 6 m | 771-6993/216-601 | 771-6993/216-602 | | 1 |
| 7 m | 771-6993/216-701 | 771-6993/216-702 | | 1 |
| 8 m | 771-6993/216-801 | 771-6993/216-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



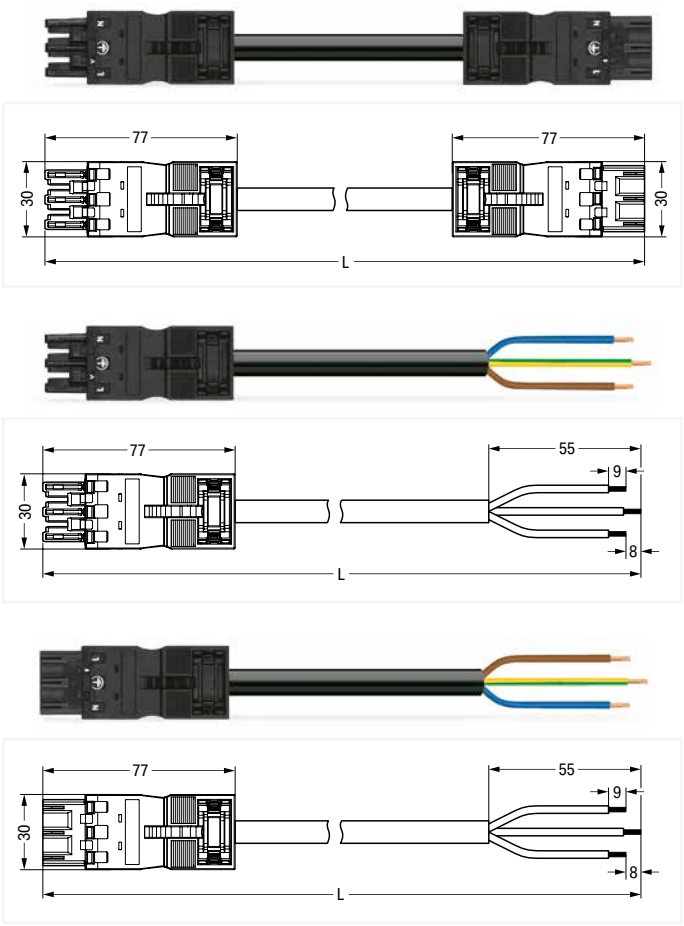
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ Protection type: IP2XD ▶ 2.5 mm² ▶ Marking: L ⏚ N ▶ PVC ▶ Sheathed cable diameter: 9.2 … 11.4 mm ▶ H05VV-F 3G2.5 ▶ General mains applications




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-6993/007-101 | 771-6993/007-102 | | 1 |
| 2 m | 771-6993/007-201 | 771-6993/007-202 | | 1 |
| 3 m | 771-6993/007-301 | 771-6993/007-302 | | 1 |
| 4 m | 771-6993/007-401 | 771-6993/007-402 | | 1 |
| 5 m | 771-6993/007-501 | 771-6993/007-502 | | 1 |
| 6 m | 771-6993/007-601 | 771-6993/007-602 | | 1 |
| 7 m | 771-6993/007-701 | 771-6993/007-702 | | 1 |
| 8 m | 771-6993/007-801 | 771-6993/007-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-6993/107-101 | 771-6993/107-102 | | 1 |
| 2 m | 771-6993/107-201 | 771-6993/107-202 | | 1 |
| 3 m | 771-6993/107-301 | 771-6993/107-302 | | 1 |
| 4 m | 771-6993/107-401 | 771-6993/107-402 | | 1 |
| 5 m | 771-6993/107-501 | 771-6993/107-502 | | 1 |
| 6 m | 771-6993/107-601 | 771-6993/107-602 | | 1 |
| 7 m | 771-6993/107-701 | 771-6993/107-702 | | 1 |
| 8 m | 771-6993/107-801 | 771-6993/107-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-6993/207-101 | 771-6993/207-102 | | 1 |
| 2 m | 771-6993/207-201 | 771-6993/207-202 | | 1 |
| 3 m | 771-6993/207-301 | 771-6993/207-302 | | 1 |
| 4 m | 771-6993/207-401 | 771-6993/207-402 | | 1 |
| 5 m | 771-6993/207-501 | 771-6993/207-502 | | 1 |
| 6 m | 771-6993/207-601 | 771-6993/207-602 | | 1 |
| 7 m | 771-6993/207-701 | 771-6993/207-702 | | 1 |
| 8 m | 771-6993/207-801 | 771-6993/207-802 | | 1 |

2

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

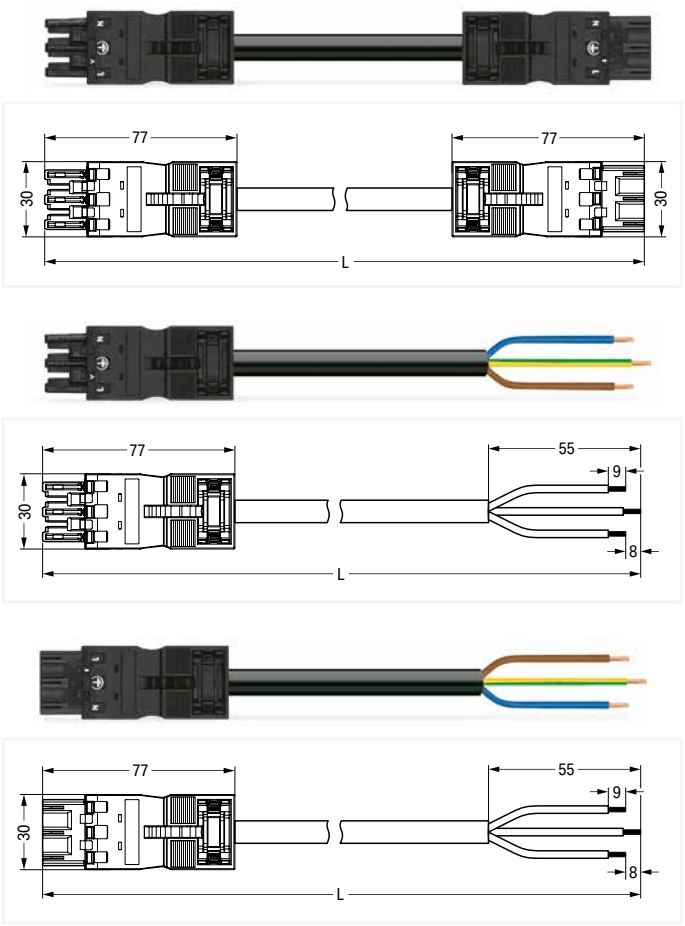
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ Protection type: IP2XD ▶ 2.5 mm² ▶ Marking: L ⏚ N ▶ Halogen-free ▶ Sheathed cable diameter: 9.2 … 11.4 mm ▶ H05Z1Z1-F 3G2.5 ▶ General mains applications






Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-6993/017-101 | 771-6993/017-102 | | 1 |
| 2 m | 771-6993/017-201 | 771-6993/017-202 | | 1 |
| 3 m | 771-6993/017-301 | 771-6993/017-302 | | 1 |
| 4 m | 771-6993/017-401 | 771-6993/017-402 | | 1 |
| 5 m | 771-6993/017-501 | 771-6993/017-502 | | 1 |
| 6 m | 771-6993/017-601 | 771-6993/017-602 | | 1 |
| 7 m | 771-6993/017-701 | 771-6993/017-702 | | 1 |
| 8 m | 771-6993/017-801 | 771-6993/017-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-6993/117-101 | 771-6993/117-102 | | 1 |
| 2 m | 771-6993/117-201 | 771-6993/117-202 | | 1 |
| 3 m | 771-6993/117-301 | 771-6993/117-302 | | 1 |
| 4 m | 771-6993/117-401 | 771-6993/117-402 | | 1 |
| 5 m | 771-6993/117-501 | 771-6993/117-502 | | 1 |
| 6 m | 771-6993/117-601 | 771-6993/117-602 | | 1 |
| 7 m | 771-6993/117-701 | 771-6993/117-702 | | 1 |
| 8 m | 771-6993/117-801 | 771-6993/117-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-6993/217-101 | 771-6993/217-102 | | 1 |
| 2 m | 771-6993/217-201 | 771-6993/217-202 | | 1 |
| 3 m | 771-6993/217-301 | 771-6993/217-302 | | 1 |
| 4 m | 771-6993/217-401 | 771-6993/217-402 | | 1 |
| 5 m | 771-6993/217-501 | 771-6993/217-502 | | 1 |
| 6 m | 771-6993/217-601 | 771-6993/217-602 | | 1 |
| 7 m | 771-6993/217-701 | 771-6993/217-702 | | 1 |
| 8 m | 771-6993/217-801 | 771-6993/217-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



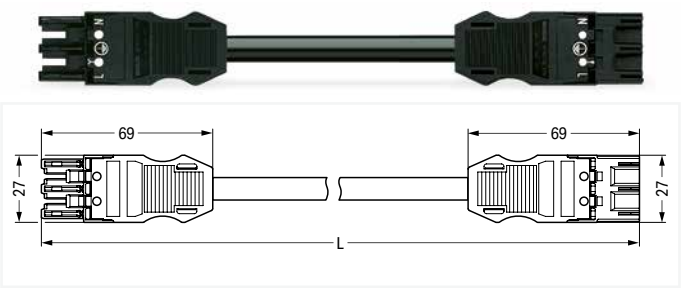
Mounting carrier; for flying leads; 2- to 5-pole

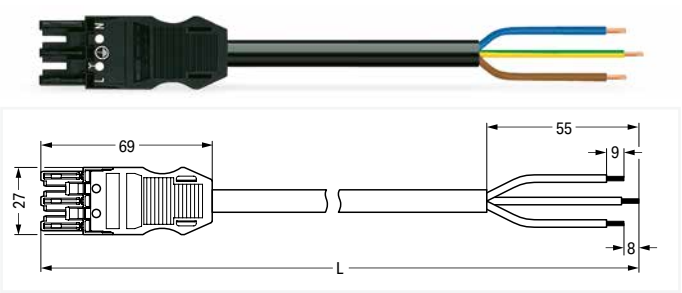
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ Protection type: IP20 ▶ 1.5 mm² ▶ Marking: L ⏚ N ▶ PVC ▶ Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05VV-F 3G1.5 ▶ General mains applications

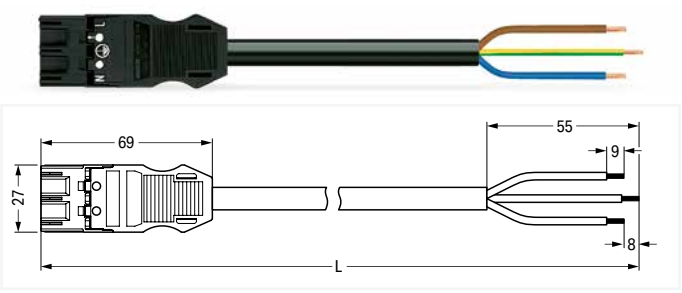




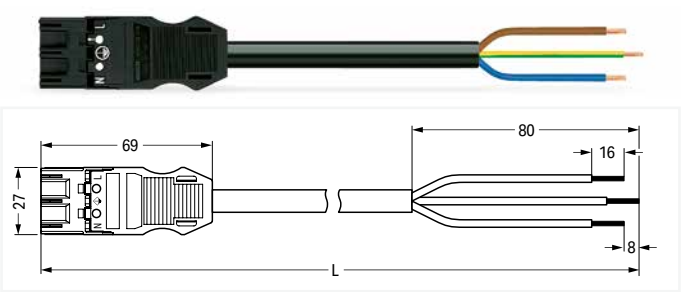













Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9993/006-101 | 771-9993/006-102 | | 1 |
| 2 m | 771-9993/006-201 | 771-9993/006-202 | | 1 |
| 3 m | 771-9993/006-301 | 771-9993/006-302 | | 1 |
| 4 m | 771-9993/006-401 | 771-9993/006-402 | | 1 |
| 5 m | 771-9993/006-501 | 771-9993/006-502 | | 1 |
| 6 m | 771-9993/006-601 | 771-9993/006-602 | | 1 |
| 7 m | 771-9993/006-701 | 771-9993/006-702 | | 1 |
| 8 m | 771-9993/006-801 | 771-9993/006-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9993/106-101 | 771-9993/106-102 | | 1 |
| 2 m | 771-9993/106-201 | 771-9993/106-202 | | 1 |
| 3 m | 771-9993/106-301 | 771-9993/106-302 | | 1 |
| 4 m | 771-9993/106-401 | 771-9993/106-402 | | 1 |
| 5 m | 771-9993/106-501 | 771-9993/106-502 | | 1 |
| 6 m | 771-9993/106-601 | 771-9993/106-602 | | 1 |
| 7 m | 771-9993/106-701 | 771-9993/106-702 | | 1 |
| 8 m | 771-9993/106-801 | 771-9993/106-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9993/206-101 | 771-9993/206-102 | | 1 |
| 2 m | 771-9993/206-201 | 771-9993/206-202 | | 1 |
| 3 m | 771-9993/206-301 | 771-9993/206-302 | | 1 |
| 4 m | 771-9993/206-401 | 771-9993/206-402 | | 1 |
| 5 m | 771-9993/206-501 | 771-9993/206-502 | | 1 |
| 6 m | 771-9993/206-601 | 771-9993/206-602 | | 1 |
| 7 m | 771-9993/206-701 | 771-9993/206-702 | | 1 |
| 8 m | 771-9993/206-801 | 771-9993/206-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 80 mm ▶ for switches and outlet installation

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | | | |
| 1 m | 771-9993/3206-101 | | | 1 |
| 2 m | 771-9993/3206-201 | | | 1 |
| 3 m | 771-9993/3206-301 | | | 1 |
| 4 m | 771-9993/3206-401 | | | 1 |
| 5 m | 771-9993/3206-501 | | | 1 |
| 6 m | 771-9993/3206-601 | | | 1 |
| 7 m | 771-9993/3206-701 | | | 1 |
| 8 m | 771-9993/3206-801 | | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

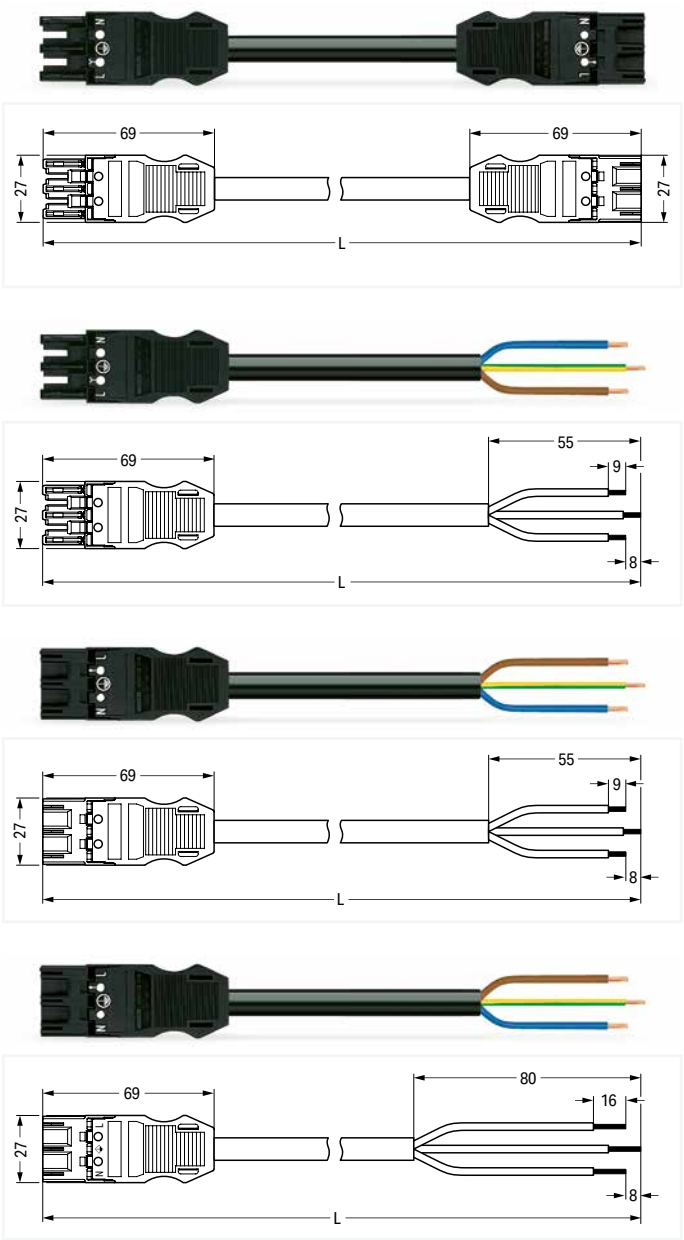
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ Protection type: IP20 ▶ 1.5 mm² ▶ Marking: L ⏚ N ▶ Halogen-free ▶ Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05Z1Z1-F 3G1.5 ▶ General mains applications






Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9993/016-101 | 771-9993/016-102 | | 1 |
| 2 m | 771-9993/016-201 | 771-9993/016-202 | | 1 |
| 3 m | 771-9993/016-301 | 771-9993/016-302 | | 1 |
| 4 m | 771-9993/016-401 | 771-9993/016-402 | | 1 |
| 5 m | 771-9993/016-501 | 771-9993/016-502 | | 1 |
| 6 m | 771-9993/016-601 | 771-9993/016-602 | | 1 |
| 7 m | 771-9993/016-701 | 771-9993/016-702 | | 1 |
| 8 m | 771-9993/016-801 | 771-9993/016-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9993/116-101 | 771-9993/116-102 | | 1 |
| 2 m | 771-9993/116-201 | 771-9993/116-202 | | 1 |
| 3 m | 771-9993/116-301 | 771-9993/116-302 | | 1 |
| 4 m | 771-9993/116-401 | 771-9993/116-402 | | 1 |
| 5 m | 771-9993/116-501 | 771-9993/116-502 | | 1 |
| 6 m | 771-9993/116-601 | 771-9993/116-602 | | 1 |
| 7 m | 771-9993/116-701 | 771-9993/116-702 | | 1 |
| 8 m | 771-9993/116-801 | 771-9993/116-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9993/216-101 | 771-9993/216-102 | | 1 |
| 2 m | 771-9993/216-201 | 771-9993/216-202 | | 1 |
| 3 m | 771-9993/216-301 | 771-9993/216-302 | | 1 |
| 4 m | 771-9993/216-401 | 771-9993/216-402 | | 1 |
| 5 m | 771-9993/216-501 | 771-9993/216-502 | | 1 |
| 6 m | 771-9993/216-601 | 771-9993/216-602 | | 1 |
| 7 m | 771-9993/216-701 | 771-9993/216-702 | | 1 |
| 8 m | 771-9993/216-801 | 771-9993/216-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 80 mm ▶ for switches and outlet installation

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | | | |
| 1 m | 771-9993/3216-101 | | | 1 |
| 2 m | 771-9993/3216-201 | | | 1 |
| 3 m | 771-9993/3216-301 | | | 1 |
| 4 m | 771-9993/3216-401 | | | 1 |
| 5 m | 771-9993/3216-501 | | | 1 |
| 6 m | 771-9993/3216-601 | | | 1 |
| 7 m | 771-9993/3216-701 | | | 1 |
| 8 m | 771-9993/3216-801 | | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



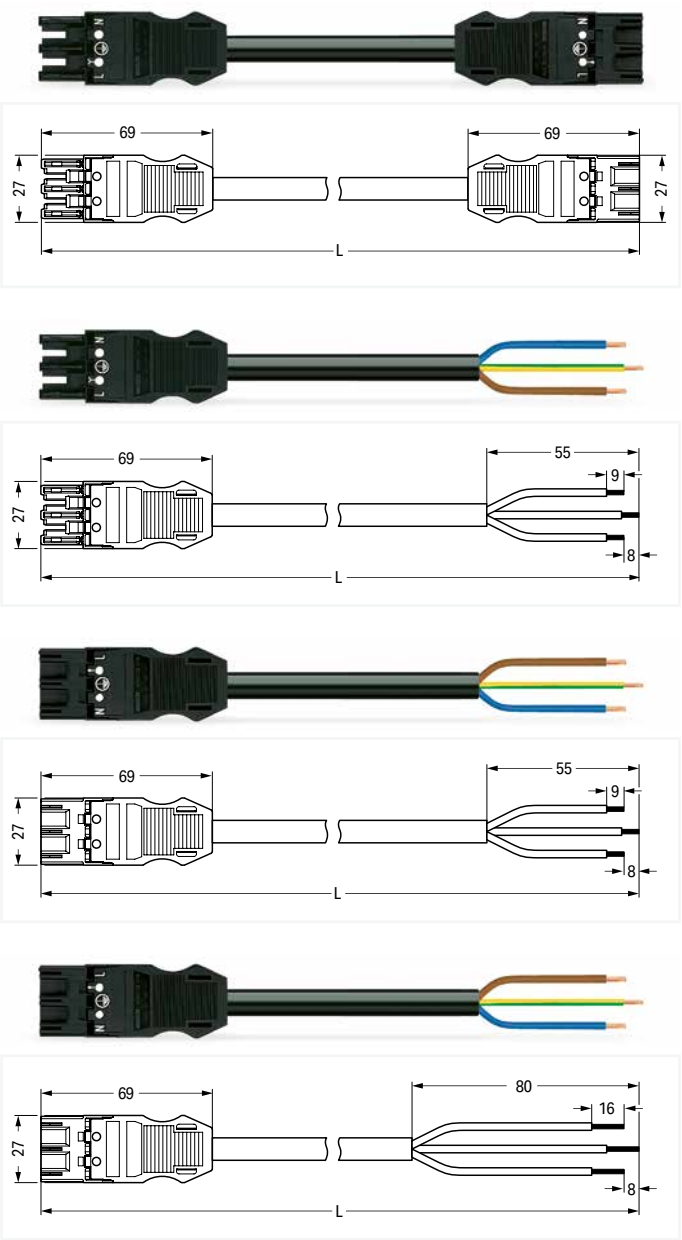
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ Protection type: IP20 ▶ 2.5 mm² ▶ Marking: L ⏚ N ▶ PVC ▶ Sheathed cable diameter: 9.2 … 11.4 mm ▶ H05VV-F 3G2.5 ▶ General mains applications




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9993/007-101 | 771-9993/007-102 | | 1 |
| 2 m | 771-9993/007-201 | 771-9993/007-202 | | 1 |
| 3 m | 771-9993/007-301 | 771-9993/007-302 | | 1 |
| 4 m | 771-9993/007-401 | 771-9993/007-402 | | 1 |
| 5 m | 771-9993/007-501 | 771-9993/007-502 | | 1 |
| 6 m | 771-9993/007-601 | 771-9993/007-602 | | 1 |
| 7 m | 771-9993/007-701 | 771-9993/007-702 | | 1 |
| 8 m | 771-9993/007-801 | 771-9993/007-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9993/107-101 | 771-9993/107-102 | | 1 |
| 2 m | 771-9993/107-201 | 771-9993/107-202 | | 1 |
| 3 m | 771-9993/107-301 | 771-9993/107-302 | | 1 |
| 4 m | 771-9993/107-401 | 771-9993/107-402 | | 1 |
| 5 m | 771-9993/107-501 | 771-9993/107-502 | | 1 |
| 6 m | 771-9993/107-601 | 771-9993/107-602 | | 1 |
| 7 m | 771-9993/107-701 | 771-9993/107-702 | | 1 |
| 8 m | 771-9993/107-801 | 771-9993/107-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9993/207-101 | 771-9993/207-102 | | 1 |
| 2 m | 771-9993/207-201 | 771-9993/207-202 | | 1 |
| 3 m | 771-9993/207-301 | 771-9993/207-302 | | 1 |
| 4 m | 771-9993/207-401 | 771-9993/207-402 | | 1 |
| 5 m | 771-9993/207-501 | 771-9993/207-502 | | 1 |
| 6 m | 771-9993/207-601 | 771-9993/207-602 | | 1 |
| 7 m | 771-9993/207-701 | 771-9993/207-702 | | 1 |
| 8 m | 771-9993/207-801 | 771-9993/207-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 80 mm ▶ for switches and outlet installation

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | | | |
| 1 m | 771-9993/3207-101 | | | 1 |
| 2 m | 771-9993/3207-201 | | | 1 |
| 3 m | 771-9993/3207-301 | | | 1 |
| 4 m | 771-9993/3207-401 | | | 1 |
| 5 m | 771-9993/3207-501 | | | 1 |
| 6 m | 771-9993/3207-601 | | | 1 |
| 7 m | 771-9993/3207-701 | | | 1 |
| 8 m | 771-9993/3207-801 | | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

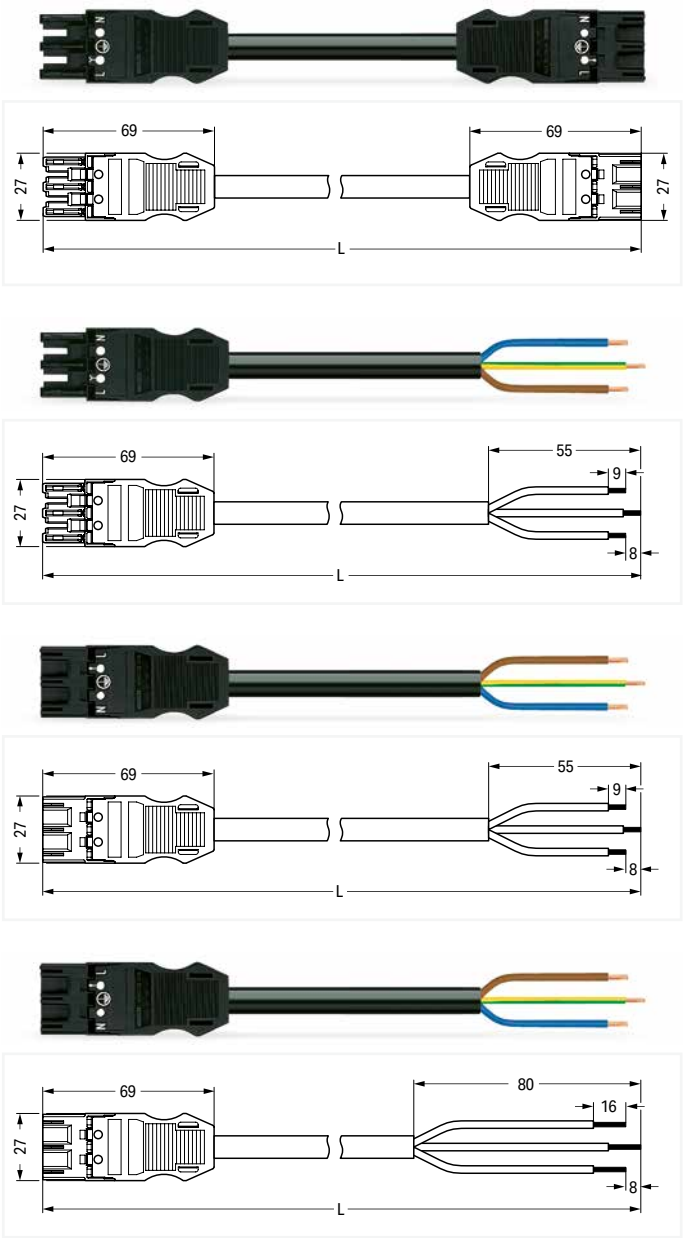
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ Protection type: IP20 ▶ 2.5 mm² ▶ Marking: L ⏚ N ▶ Halogen-free ▶ Sheathed cable diameter: 9.2 … 11.4 mm ▶ H05Z1Z1-F 3G2.5 ▶ General mains applications






Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9993/017-101 | 771-9993/017-102 | | 1 |
| 2 m | 771-9993/017-201 | 771-9993/017-202 | | 1 |
| 3 m | 771-9993/017-301 | 771-9993/017-302 | | 1 |
| 4 m | 771-9993/017-401 | 771-9993/017-402 | | 1 |
| 5 m | 771-9993/017-501 | 771-9993/017-502 | | 1 |
| 6 m | 771-9993/017-601 | 771-9993/017-602 | | 1 |
| 7 m | 771-9993/017-701 | 771-9993/017-702 | | 1 |
| 8 m | 771-9993/017-801 | 771-9993/017-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9993/117-101 | 771-9993/117-102 | | 1 |
| 2 m | 771-9993/117-201 | 771-9993/117-202 | | 1 |
| 3 m | 771-9993/117-301 | 771-9993/117-302 | | 1 |
| 4 m | 771-9993/117-401 | 771-9993/117-402 | | 1 |
| 5 m | 771-9993/117-501 | 771-9993/117-502 | | 1 |
| 6 m | 771-9993/117-601 | 771-9993/117-602 | | 1 |
| 7 m | 771-9993/117-701 | 771-9993/117-702 | | 1 |
| 8 m | 771-9993/117-801 | 771-9993/117-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9993/217-101 | 771-9993/217-102 | | 1 |
| 2 m | 771-9993/217-201 | 771-9993/217-202 | | 1 |
| 3 m | 771-9993/217-301 | 771-9993/217-302 | | 1 |
| 4 m | 771-9993/217-401 | 771-9993/217-402 | | 1 |
| 5 m | 771-9993/217-501 | 771-9993/217-502 | | 1 |
| 6 m | 771-9993/217-601 | 771-9993/217-602 | | 1 |
| 7 m | 771-9993/217-701 | 771-9993/217-702 | | 1 |
| 8 m | 771-9993/217-801 | 771-9993/217-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 80 mm ▶ for switches and outlet installation

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | | | |
| 1 m | 771-9993/3217-101 | | | 1 |
| 2 m | 771-9993/3217-201 | | | 1 |
| 3 m | 771-9993/3217-301 | | | 1 |
| 4 m | 771-9993/3217-401 | | | 1 |
| 5 m | 771-9993/3217-501 | | | 1 |
| 6 m | 771-9993/3217-601 | | | 1 |
| 7 m | 771-9993/3217-701 | | | 1 |
| 8 m | 771-9993/3217-801 | | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

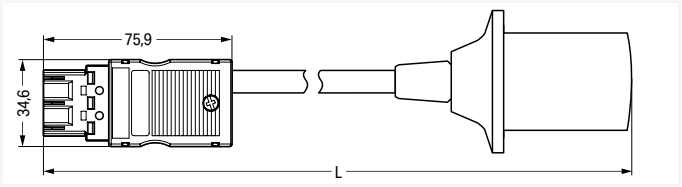
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: $E_{ca}$ ▸ Coding: A ▸ Protection type: IP20 ▸ Marking: L ⏚ N ▸ PVC ▸ General mains applications

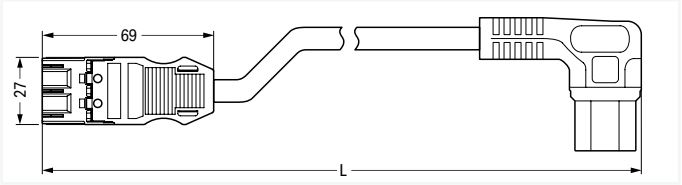





0.75 mm² ▸ Sheathed cable diameter: 5.7 … 7.2 mm ▸ Adapter cable ▸ Plug - E 27 lamp socket

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | | | |
| 0.5 m | 771-8993/1004-051 | | | 1 |





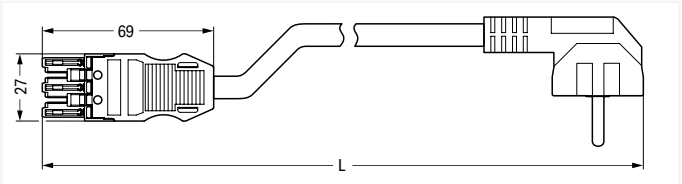

1 mm² ▸ Sheathed cable diameter: 6.3 … 8 mm ▸ H05VV-F 3G1 ▸ Adapter cable ▸ Plug - Cold equipment coupling (angled)

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9993/805-101 | 771-9993/805-102 | | 1 |
| 2 m | 771-9993/805-201 | 771-9993/805-202 | | 1 |
| 3 m | 771-9993/805-301 | 771-9993/805-302 | | 1 |



1.5 mm² ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 3G1.5 ▸ Adapter cable ▸ Socket - SCHUKO plug, angled

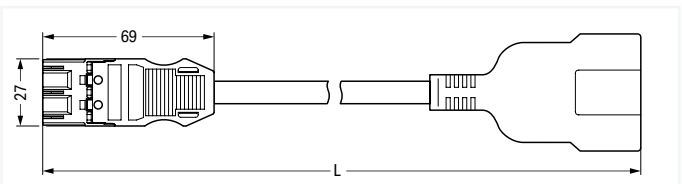
| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9993/306-101 | 771-9993/306-102 | | 1 |
| 2 m | 771-9993/306-201 | 771-9993/306-202 | | 1 |
| 3 m | 771-9993/306-301 | 771-9993/306-302 | | 1 |




1.5 mm² ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ H05VV-F 3G1.5 ▸ Adapter cable ▸ Plug - SCHUKO socket

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9993/406-101 | 771-9993/406-102 | | 1 |
| 2 m | 771-9993/406-201 | 771-9993/406-202 | | 1 |
| 3 m | 771-9993/406-301 | 771-9993/406-302 | | 1 |






## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

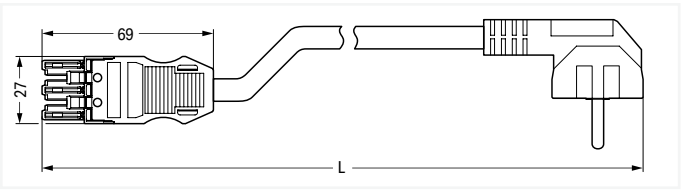
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ Protection type: IP20 ▶ Marking: L ⏚ N ▶ PVC ▶ General mains applications






2.5 mm² ▶ Sheathed cable diameter: 9.2 … 11.4 mm ▶ H05VV-F 3G2.5 ▶ Adapter cable ▶ Socket - SCHUKO plug, angled

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9993/307-101 | 771-9993/307-102 | | 1 |
| 2 m | 771-9993/307-201 | 771-9993/307-202 | | 1 |
| 3 m | 771-9993/307-301 | 771-9993/307-302 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



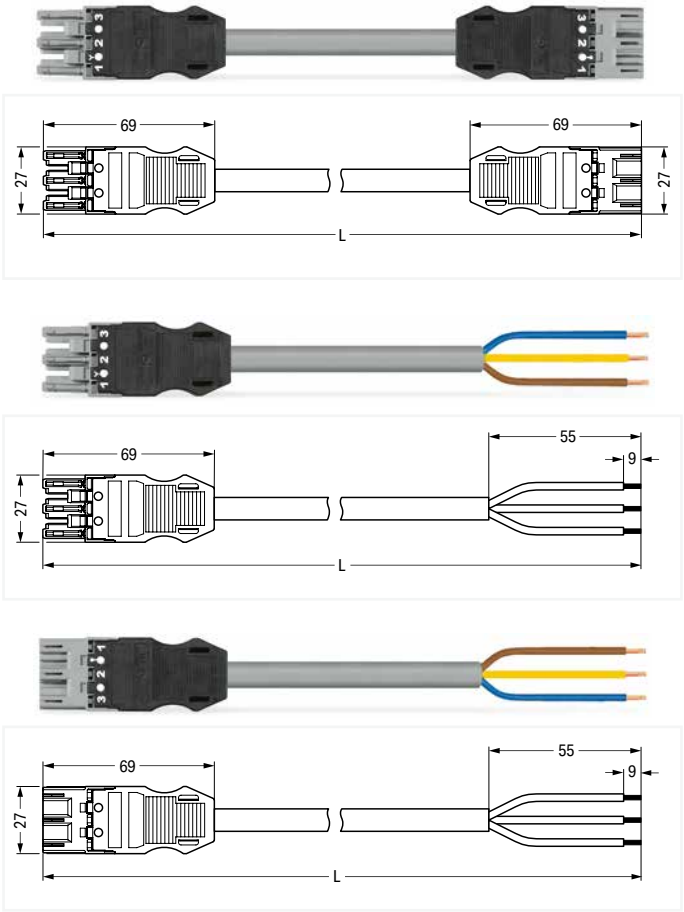
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: B ▶ Protection type: IP20 ▶ 1 mm² ▶ Marking: 1 2 3 ▶ PVC ▶ Sheathed cable diameter: 6.3 … 8 mm ▶ Control line 3 x 1 ▶ Control technology




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-9993/005-103 | 771-9993/005-105 | 771-9993/005-107 | 1 |
| 2 m | 771-9993/005-203 | 771-9993/005-205 | 771-9993/005-207 | 1 |
| 3 m | 771-9993/005-303 | 771-9993/005-305 | 771-9993/005-307 | 1 |
| 4 m | 771-9993/005-403 | 771-9993/005-405 | 771-9993/005-407 | 1 |
| 5 m | 771-9993/005-503 | 771-9993/005-505 | 771-9993/005-507 | 1 |
| 6 m | 771-9993/005-603 | 771-9993/005-605 | 771-9993/005-607 | 1 |
| 7 m | 771-9993/005-703 | 771-9993/005-705 | 771-9993/005-707 | 1 |
| 8 m | 771-9993/005-803 | 771-9993/005-805 | 771-9993/005-807 | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-9993/105-103 | 771-9993/105-105 | 771-9993/105-107 | 1 |
| 2 m | 771-9993/105-203 | 771-9993/105-205 | 771-9993/105-207 | 1 |
| 3 m | 771-9993/105-303 | 771-9993/105-305 | 771-9993/105-307 | 1 |
| 4 m | 771-9993/105-403 | 771-9993/105-405 | 771-9993/105-407 | 1 |
| 5 m | 771-9993/105-503 | 771-9993/105-505 | 771-9993/105-507 | 1 |
| 6 m | 771-9993/105-603 | 771-9993/105-605 | 771-9993/105-607 | 1 |
| 7 m | 771-9993/105-703 | 771-9993/105-705 | 771-9993/105-707 | 1 |
| 8 m | 771-9993/105-803 | 771-9993/105-805 | 771-9993/105-807 | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-9993/205-103 | 771-9993/205-105 | 771-9993/205-107 | 1 |
| 2 m | 771-9993/205-203 | 771-9993/205-205 | 771-9993/205-207 | 1 |
| 3 m | 771-9993/205-303 | 771-9993/205-305 | 771-9993/205-307 | 1 |
| 4 m | 771-9993/205-403 | 771-9993/205-405 | 771-9993/205-407 | 1 |
| 5 m | 771-9993/205-503 | 771-9993/205-505 | 771-9993/205-507 | 1 |
| 6 m | 771-9993/205-603 | 771-9993/205-605 | 771-9993/205-607 | 1 |
| 7 m | 771-9993/205-703 | 771-9993/205-705 | 771-9993/205-707 | 1 |
| 8 m | 771-9993/205-803 | 771-9993/205-805 | 771-9993/205-807 | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

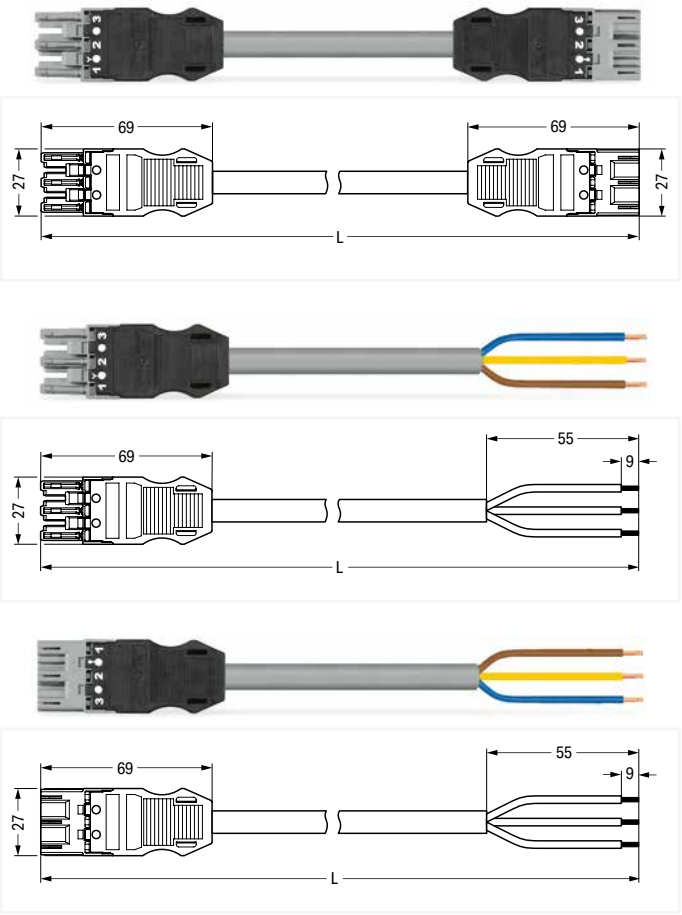
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: $E_{ca}$ ▸ Coding: B ▸ Protection type: IP20 ▸ 1.5 mm² ▸ Marking: 1 2 3 ▸ PVC ▸ Sheathed cable diameter: 7.4 … 9.4 mm ▸ Control line 3 x 1.5 ▸ Control technology






Interconnecting cable ▸ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-9993/006-103 | 771-9993/006-105 | 771-9993/006-107 | 1 |
| 2 m | 771-9993/006-203 | 771-9993/006-205 | 771-9993/006-207 | 1 |
| 3 m | 771-9993/006-303 | 771-9993/006-305 | 771-9993/006-307 | 1 |
| 4 m | 771-9993/006-403 | 771-9993/006-405 | 771-9993/006-407 | 1 |
| 5 m | 771-9993/006-503 | 771-9993/006-505 | 771-9993/006-507 | 1 |
| 6 m | 771-9993/006-603 | 771-9993/006-605 | 771-9993/006-607 | 1 |
| 7 m | 771-9993/006-703 | 771-9993/006-705 | 771-9993/006-707 | 1 |
| 8 m | 771-9993/006-803 | 771-9993/006-805 | 771-9993/006-807 | 1 |

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-9993/106-103 | 771-9993/106-105 | 771-9993/106-107 | 1 |
| 2 m | 771-9993/106-203 | 771-9993/106-205 | 771-9993/106-207 | 1 |
| 3 m | 771-9993/106-303 | 771-9993/106-305 | 771-9993/106-307 | 1 |
| 4 m | 771-9993/106-403 | 771-9993/106-405 | 771-9993/106-407 | 1 |
| 5 m | 771-9993/106-503 | 771-9993/106-505 | 771-9993/106-507 | 1 |
| 6 m | 771-9993/106-603 | 771-9993/106-605 | 771-9993/106-607 | 1 |
| 7 m | 771-9993/106-703 | 771-9993/106-705 | 771-9993/106-707 | 1 |
| 8 m | 771-9993/106-803 | 771-9993/106-805 | 771-9993/106-807 | 1 |

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-9993/206-103 | 771-9993/206-105 | 771-9993/206-107 | 1 |
| 2 m | 771-9993/206-203 | 771-9993/206-205 | 771-9993/206-207 | 1 |
| 3 m | 771-9993/206-303 | 771-9993/206-305 | 771-9993/206-307 | 1 |
| 4 m | 771-9993/206-403 | 771-9993/206-405 | 771-9993/206-407 | 1 |
| 5 m | 771-9993/206-503 | 771-9993/206-505 | 771-9993/206-507 | 1 |
| 6 m | 771-9993/206-603 | 771-9993/206-605 | 771-9993/206-607 | 1 |
| 7 m | 771-9993/206-703 | 771-9993/206-705 | 771-9993/206-707 | 1 |
| 8 m | 771-9993/206-803 | 771-9993/206-805 | 771-9993/206-807 | 1 |

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



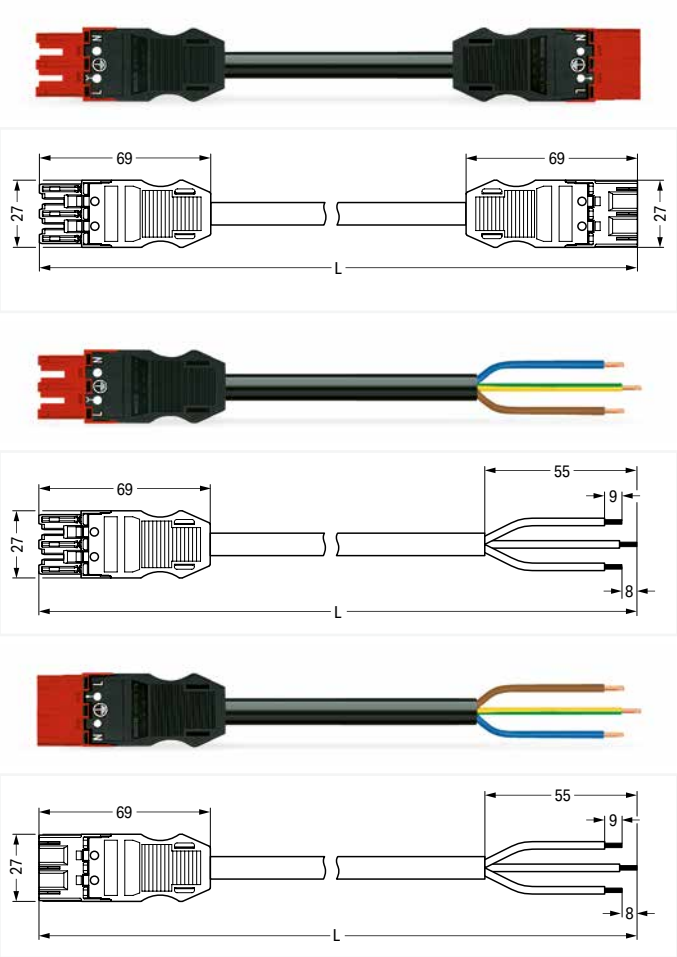
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: P ▶ Protection type: IP20 ▶ 1.5 mm² ▶ Marking: L ⏚ N ▶ PVC ▶ Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05VV-F 3G1.5 ▶ EDV (UPS)




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9973/006-101 | 771-9973/006-102 | | 1 |
| 2 m | 771-9973/006-201 | 771-9973/006-202 | | 1 |
| 3 m | 771-9973/006-301 | 771-9973/006-302 | | 1 |
| 4 m | 771-9973/006-401 | 771-9973/006-402 | | 1 |
| 5 m | 771-9973/006-501 | 771-9973/006-502 | | 1 |
| 6 m | 771-9973/006-601 | 771-9973/006-602 | | 1 |
| 7 m | 771-9973/006-701 | 771-9973/006-702 | | 1 |
| 8 m | 771-9973/006-801 | 771-9973/006-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9973/106-101 | 771-9973/106-102 | | 1 |
| 2 m | 771-9973/106-201 | 771-9973/106-202 | | 1 |
| 3 m | 771-9973/106-301 | 771-9973/106-302 | | 1 |
| 4 m | 771-9973/106-401 | 771-9973/106-402 | | 1 |
| 5 m | 771-9973/106-501 | 771-9973/106-502 | | 1 |
| 6 m | 771-9973/106-601 | 771-9973/106-602 | | 1 |
| 7 m | 771-9973/106-701 | 771-9973/106-702 | | 1 |
| 8 m | 771-9973/106-801 | 771-9973/106-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9973/206-101 | 771-9973/206-102 | | 1 |
| 2 m | 771-9973/206-201 | 771-9973/206-202 | | 1 |
| 3 m | 771-9973/206-301 | 771-9973/206-302 | | 1 |
| 4 m | 771-9973/206-401 | 771-9973/206-402 | | 1 |
| 5 m | 771-9973/206-501 | 771-9973/206-502 | | 1 |
| 6 m | 771-9973/206-601 | 771-9973/206-602 | | 1 |
| 7 m | 771-9973/206-701 | 771-9973/206-702 | | 1 |
| 8 m | 771-9973/206-801 | 771-9973/206-802 | | 1 |

2

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

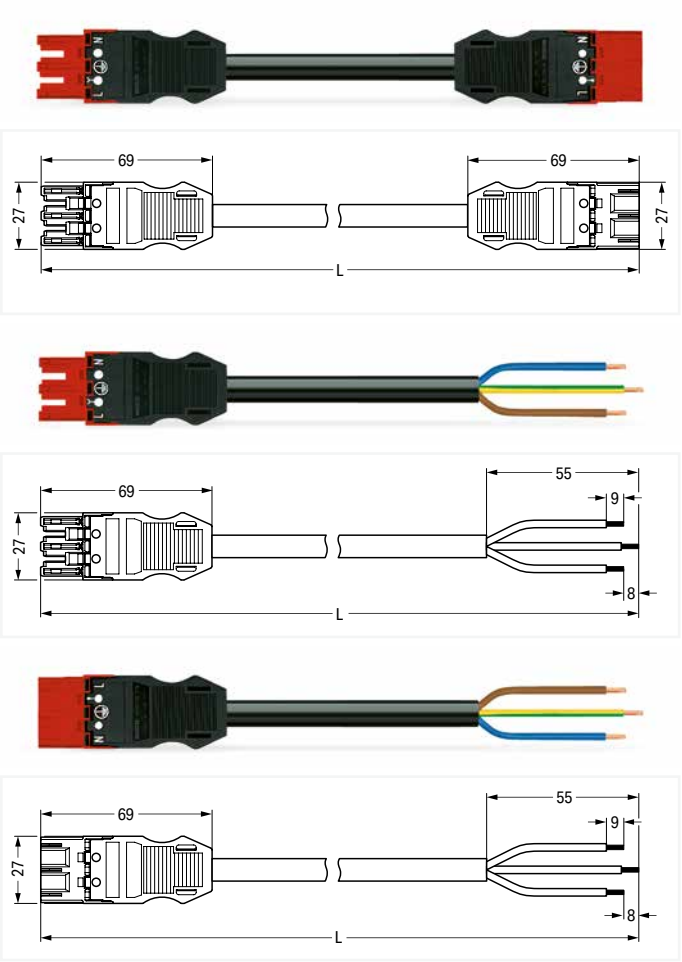
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: P ▶ Protection type: IP20 ▶ 1.5 mm² ▶ Marking: L ⏚ N ▶ Halogen-free ▶ Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05Z1Z1-F 3G1.5 ▶ EDV (UPS)






Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9973/016-101 | 771-9973/016-102 | | 1 |
| 2 m | 771-9973/016-201 | 771-9973/016-202 | | 1 |
| 3 m | 771-9973/016-301 | 771-9973/016-302 | | 1 |
| 4 m | 771-9973/016-401 | 771-9973/016-402 | | 1 |
| 5 m | 771-9973/016-501 | 771-9973/016-502 | | 1 |
| 6 m | 771-9973/016-601 | 771-9973/016-602 | | 1 |
| 7 m | 771-9973/016-701 | 771-9973/016-702 | | 1 |
| 8 m | 771-9973/016-801 | 771-9973/016-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9973/116-101 | 771-9973/116-102 | | 1 |
| 2 m | 771-9973/116-201 | 771-9973/116-202 | | 1 |
| 3 m | 771-9973/116-301 | 771-9973/116-302 | | 1 |
| 4 m | 771-9973/116-401 | 771-9973/116-402 | | 1 |
| 5 m | 771-9973/116-501 | 771-9973/116-502 | | 1 |
| 6 m | 771-9973/116-601 | 771-9973/116-602 | | 1 |
| 7 m | 771-9973/116-701 | 771-9973/116-702 | | 1 |
| 8 m | 771-9973/116-801 | 771-9973/116-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9973/216-101 | 771-9973/216-102 | | 1 |
| 2 m | 771-9973/216-201 | 771-9973/216-202 | | 1 |
| 3 m | 771-9973/216-301 | 771-9973/216-302 | | 1 |
| 4 m | 771-9973/216-401 | 771-9973/216-402 | | 1 |
| 5 m | 771-9973/216-501 | 771-9973/216-502 | | 1 |
| 6 m | 771-9973/216-601 | 771-9973/216-602 | | 1 |
| 7 m | 771-9973/216-701 | 771-9973/216-702 | | 1 |
| 8 m | 771-9973/216-801 | 771-9973/216-802 | | 1 |

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



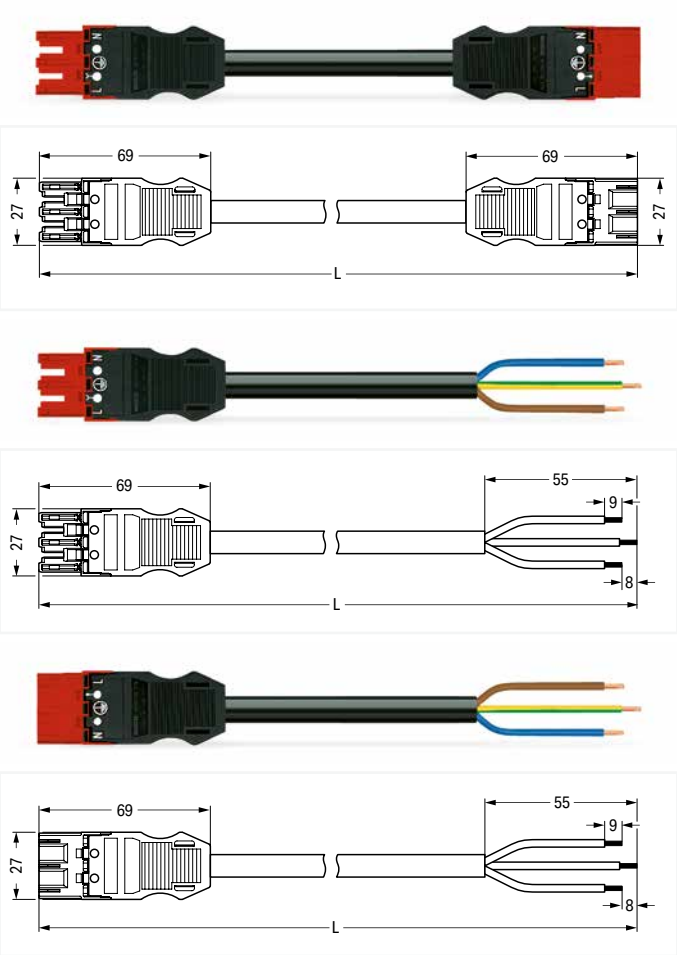
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: P ▶ Protection type: IP20 ▶ 2.5 mm² ▶ Marking: L ⏚ N ▶ PVC ▶ Sheathed cable diameter: 9.2 … 11.4 mm ▶ H05VV-F 3G2.5 ▶ EDV (UPS)




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9973/007-101 | 771-9973/007-102 | | 1 |
| 2 m | 771-9973/007-201 | 771-9973/007-202 | | 1 |
| 3 m | 771-9973/007-301 | 771-9973/007-302 | | 1 |
| 4 m | 771-9973/007-401 | 771-9973/007-402 | | 1 |
| 5 m | 771-9973/007-501 | 771-9973/007-502 | | 1 |
| 6 m | 771-9973/007-601 | 771-9973/007-602 | | 1 |
| 7 m | 771-9973/007-701 | 771-9973/007-702 | | 1 |
| 8 m | 771-9973/007-801 | 771-9973/007-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9973/107-101 | 771-9973/107-102 | | 1 |
| 2 m | 771-9973/107-201 | 771-9973/107-202 | | 1 |
| 3 m | 771-9973/107-301 | 771-9973/107-302 | | 1 |
| 4 m | 771-9973/107-401 | 771-9973/107-402 | | 1 |
| 5 m | 771-9973/107-501 | 771-9973/107-502 | | 1 |
| 6 m | 771-9973/107-601 | 771-9973/107-602 | | 1 |
| 7 m | 771-9973/107-701 | 771-9973/107-702 | | 1 |
| 8 m | 771-9973/107-801 | 771-9973/107-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9973/207-101 | 771-9973/207-102 | | 1 |
| 2 m | 771-9973/207-201 | 771-9973/207-202 | | 1 |
| 3 m | 771-9973/207-301 | 771-9973/207-302 | | 1 |
| 4 m | 771-9973/207-401 | 771-9973/207-402 | | 1 |
| 5 m | 771-9973/207-501 | 771-9973/207-502 | | 1 |
| 6 m | 771-9973/207-601 | 771-9973/207-602 | | 1 |
| 7 m | 771-9973/207-701 | 771-9973/207-702 | | 1 |
| 8 m | 771-9973/207-801 | 771-9973/207-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

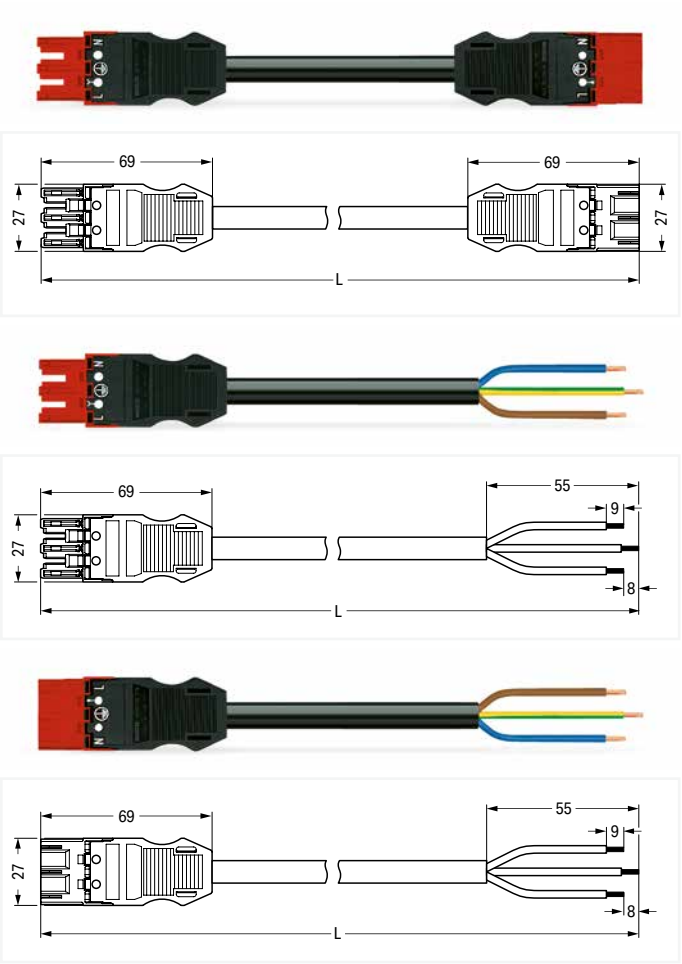
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: P ▶ Protection type: IP20 ▶ 2.5 mm² ▶ Marking: L ⏚ N ▶ Halogen-free ▶ Sheathed cable diameter: 9.2 … 11.4 mm ▶ H05Z1Z1-F 3G2.5 ▶ EDV (UPS)






Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9973/017-101 | 771-9973/017-102 | | 1 |
| 2 m | 771-9973/017-201 | 771-9973/017-202 | | 1 |
| 3 m | 771-9973/017-301 | 771-9973/017-302 | | 1 |
| 4 m | 771-9973/017-401 | 771-9973/017-402 | | 1 |
| 5 m | 771-9973/017-501 | 771-9973/017-502 | | 1 |
| 6 m | 771-9973/017-601 | 771-9973/017-602 | | 1 |
| 7 m | 771-9973/017-701 | 771-9973/017-702 | | 1 |
| 8 m | 771-9973/017-801 | 771-9973/017-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9973/117-101 | 771-9973/117-102 | | 1 |
| 2 m | 771-9973/117-201 | 771-9973/117-202 | | 1 |
| 3 m | 771-9973/117-301 | 771-9973/117-302 | | 1 |
| 4 m | 771-9973/117-401 | 771-9973/117-402 | | 1 |
| 5 m | 771-9973/117-501 | 771-9973/117-502 | | 1 |
| 6 m | 771-9973/117-601 | 771-9973/117-602 | | 1 |
| 7 m | 771-9973/117-701 | 771-9973/117-702 | | 1 |
| 8 m | 771-9973/117-801 | 771-9973/117-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9973/217-101 | 771-9973/217-102 | | 1 |
| 2 m | 771-9973/217-201 | 771-9973/217-202 | | 1 |
| 3 m | 771-9973/217-301 | 771-9973/217-302 | | 1 |
| 4 m | 771-9973/217-401 | 771-9973/217-402 | | 1 |
| 5 m | 771-9973/217-501 | 771-9973/217-502 | | 1 |
| 6 m | 771-9973/217-601 | 771-9973/217-602 | | 1 |
| 7 m | 771-9973/217-701 | 771-9973/217-702 | | 1 |
| 8 m | 771-9973/217-801 | 771-9973/217-802 | | 1 |

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



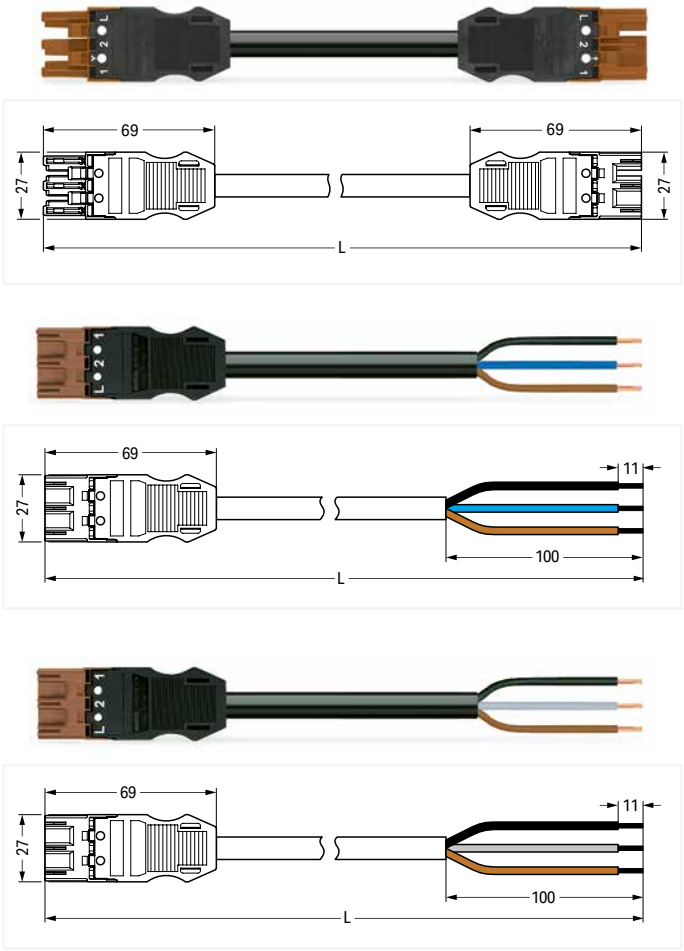
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: S ▶ Protection type: IP20 ▶ 1.5 mm² ▶ Marking: 1 2 L ▶ PVC ▶ Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05VV-F 3x1.5 ▶ Switching function




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | brown / black | | | |
| 1 m | 771-9973/006-105 | | | 1 |
| 2 m | 771-9973/006-205 | | | 1 |
| 3 m | 771-9973/006-305 | | | 1 |
| 4 m | 771-9973/006-405 | | | 1 |
| 5 m | 771-9973/006-505 | | | 1 |
| 6 m | 771-9973/006-605 | | | 1 |
| 7 m | 771-9973/006-705 | | | 1 |
| 8 m | 771-9973/006-805 | | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 100 mm ▶ for distribution connectors (motion sensors)

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | brown / black | | | |
| 1 m | 771-9973/206-104 | | | 1 |
| 2 m | 771-9973/206-204 | | | 1 |
| 3 m | 771-9973/206-304 | | | 1 |
| 4 m | 771-9973/206-404 | | | 1 |
| 5 m | 771-9973/206-504 | | | 1 |
| 6 m | 771-9973/206-604 | | | 1 |
| 7 m | 771-9973/206-704 | | | 1 |
| 8 m | 771-9973/206-804 | | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 100 mm ▶ for distribution connectors; series and two-way circuits

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | brown / black | | | |
| 1 m | 771-9973/206-105 | | | 1 |
| 2 m | 771-9973/206-205 | | | 1 |
| 3 m | 771-9973/206-305 | | | 1 |
| 4 m | 771-9973/206-405 | | | 1 |
| 5 m | 771-9973/206-505 | | | 1 |
| 6 m | 771-9973/206-605 | | | 1 |
| 7 m | 771-9973/206-705 | | | 1 |
| 8 m | 771-9973/206-805 | | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

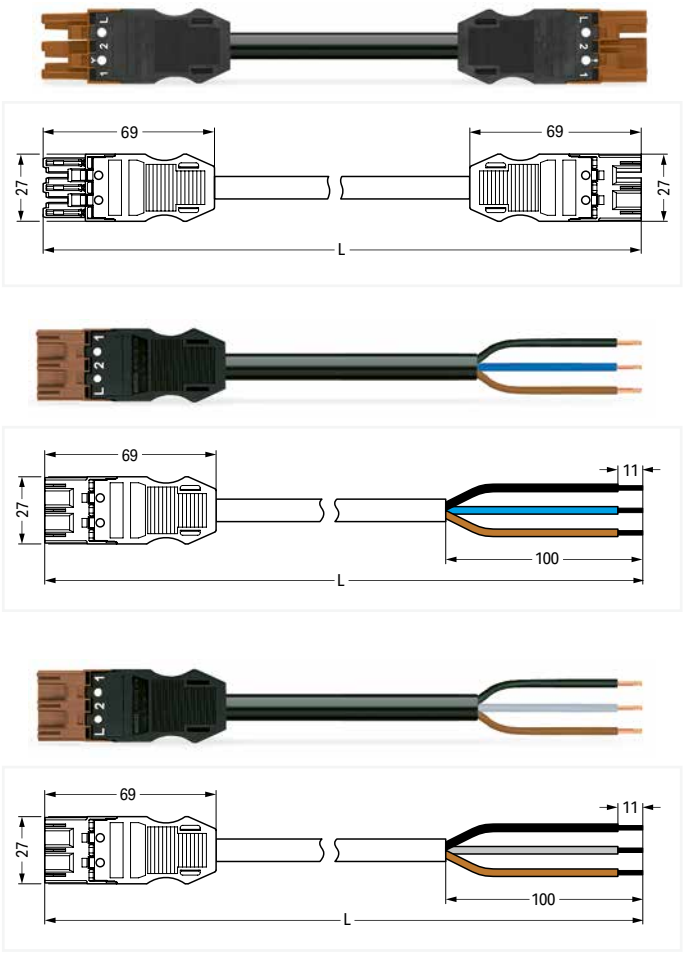
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: S ▶ Protection type: IP20 ▶ 1.5 mm² ▶ Marking: 1 2 L ▶ Halogen-free ▶ Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05Z1Z1-F 3x1.5 ▶ Switching function






Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | brown / black | | | |
| 1 m | 771-9973/016-105 | | | 1 |
| 2 m | 771-9973/016-205 | | | 1 |
| 3 m | 771-9973/016-305 | | | 1 |
| 4 m | 771-9973/016-405 | | | 1 |
| 5 m | 771-9973/016-505 | | | 1 |
| 6 m | 771-9973/016-605 | | | 1 |
| 7 m | 771-9973/016-705 | | | 1 |
| 8 m | 771-9973/016-805 | | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 100 mm ▶ for distribution connectors (motion sensors)

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | brown / black | | | |
| 1 m | 771-9973/216-104 | | | 1 |
| 2 m | 771-9973/216-204 | | | 1 |
| 3 m | 771-9973/216-304 | | | 1 |
| 4 m | 771-9973/216-404 | | | 1 |
| 5 m | 771-9973/216-504 | | | 1 |
| 6 m | 771-9973/216-604 | | | 1 |
| 7 m | 771-9973/216-704 | | | 1 |
| 8 m | 771-9973/216-804 | | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 100 mm ▶ for distribution connectors; series and two-way circuits

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | brown / black | | | |
| 1 m | 771-9973/216-105 | | | 1 |
| 2 m | 771-9973/216-205 | | | 1 |
| 3 m | 771-9973/216-305 | | | 1 |
| 4 m | 771-9973/216-405 | | | 1 |
| 5 m | 771-9973/216-505 | | | 1 |
| 6 m | 771-9973/216-605 | | | 1 |
| 7 m | 771-9973/216-705 | | | 1 |
| 8 m | 771-9973/216-805 | | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

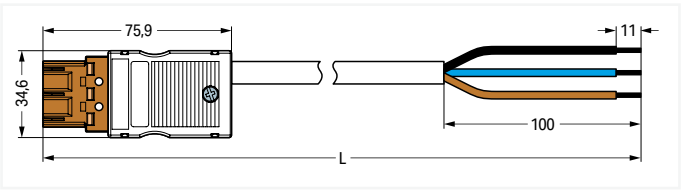
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

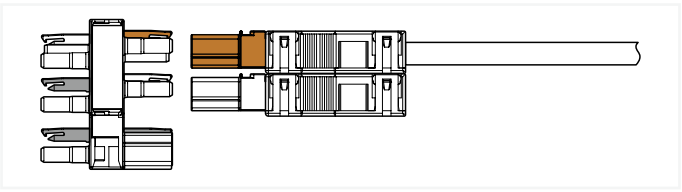
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

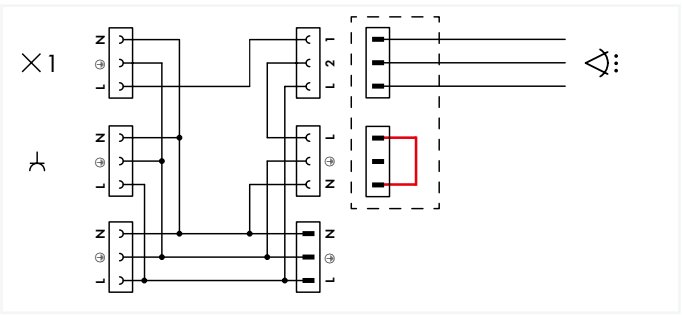
# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: S ▶ Protection type : IP20 ▶ Wire cross-section : 1.5 mm² ▶ PVC ▶ Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05VV-F 3x1.5 ▶ Plug; Plug - free end ▶ Strip length (outer insulation): 100 mm ▶ Switching function








This cable combines a standard S-coded cable with an A-coded shorting plug. Both strain relief housings are locked together. A motion detector or switch with signal lamp can be directly connected using a cable equipped with 770-637 Distribution Connector.

| Connecting cable ▶ for distribution connectors (770-637 and 770-687) | | | | |
|---|---|---|---|---|
| Total length | Connector color / Strain relief color | | | PU |
| | brown / black | | | |
| 3 m | 771-5001/106-000 | | | 1 |
| 4 m | 771-5001/107-000 | | | 1 |

2

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |

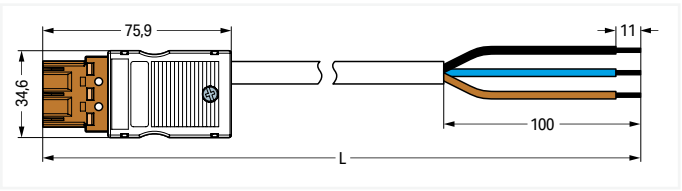
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

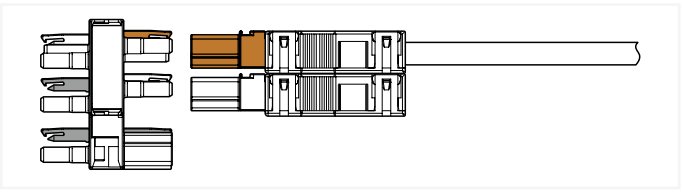
# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

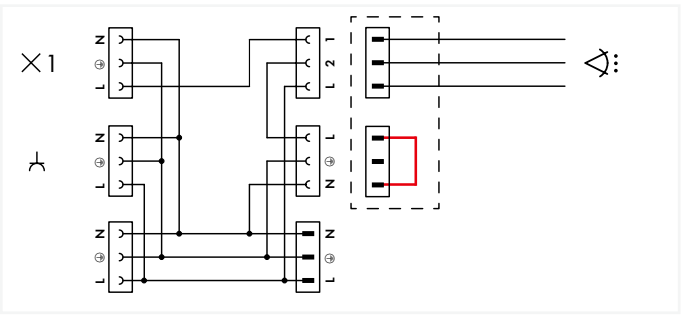
Pole number: 3 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: S ▶ Protection type : IP20 ▶ Wire cross-section : 1.5 mm² ▶ Halogen-free ▶ Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05Z1Z1-F 3x1.5 ▶ Plug; Plug - free end ▶ Strip length (outer insulation): 100 mm ▶ Switching function










This cable combines a standard S-coded cable with an A-coded shorting plug. Both strain relief housings are locked together. A motion detector or switch with signal lamp can be directly connected using a cable equipped with 770-637 Distribution Connector.

| Connecting cable ▶ for distribution connectors (770-637 and 770-687) | | | | |
|---|---|---|---|---|
| Total length | Connector color / Strain relief color | | | PU |
| | brown / black | | | |
| 3 m | 771-5001/131-000 | | | 1 |
| 4 m | 771-5001/132-000 | | | 1 |

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 4 ▶ Number of connection points: 2 ▶ Protection type: IP20



- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology for direct termination of solid conductors
- 2-wire connections per pole for daisy-chaining or commoning
- Additional variable coding possible

2

| Electrical data | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Coding | A | | | B | | | Q | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 400 V | - | - | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - | 6 kV | - | - | 6 kV | - | - |
| Rated current | 25 A | - | - | 25 A | - | - | 32 A | - | - |
| Note (rated current) | | | | 25 A for 3-pole load<br>20 A for 4-pole load | | | | | |
| Approvals per | UL 1977 | | | UL 1977 | | | UL 1977 | | |
| Rated voltage | 600 V | | | 600 V | | | 600 V | | |
| Rated current | 23 A | | | 23 A | | | 23 A | | |

| Connection data | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Strip length | 9 mm / 0.35 inches |
| Nominal cross-section | 4 mm² / 12 AWG |
| Solid conductor | 0.5 … 4 mm² / 20 … 12 AWG |
| Solid conductor; push-in termination | 1.5 … 4 mm² / 16 … 12 AWG |
| Stranded conductor | 0.5 … 2.5 mm² / 20 … 14 AWG |
| Fine-stranded conductor | 0.5 … 4 mm² / 20 … 12 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 … 1.5 mm² / 20 … 16 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 … 2.5 mm² / 20 … 14 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 1.5 mm² / 16 AWG |

| Material Data | |
|---|---|
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).


| | |
|---|---|
| Cover | Page 372 |
| Installation | Page 383 |
| Marking | Page 397 |
| Tool | Page 392 |


See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Pluggable connectors ▶ *WINSTA*® MIDI ▶ 770 Series

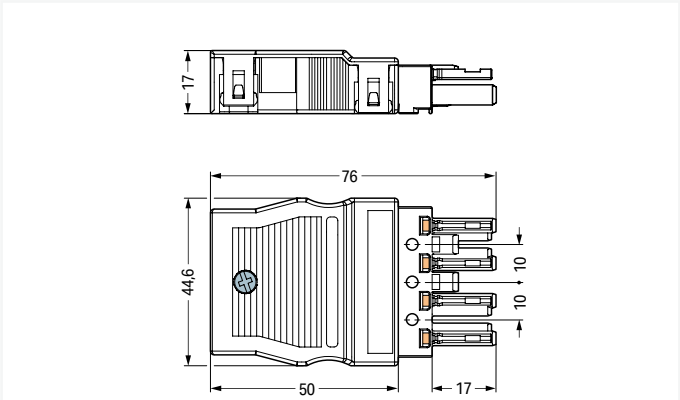
## Pole number: 4 ▶ Number of connection points: 2 ▶ Protection type: IP20

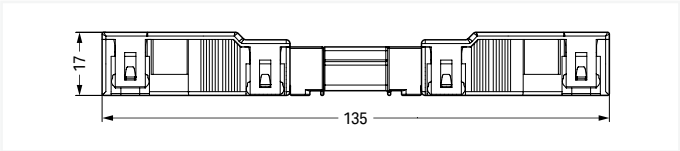
Strain relief housing ▶ Female connector/socket ▶ Strip length (outer insulation): 55 mm ▶ Connectable sheathed cable diameter : 9 … 13 mm



770-104

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● black | A | N ⏚ 2/L 1/L' | 770-104 | 25 |
| ○ white | A | N ⏚ 2/L 1/L' | 770-124 | 25 |



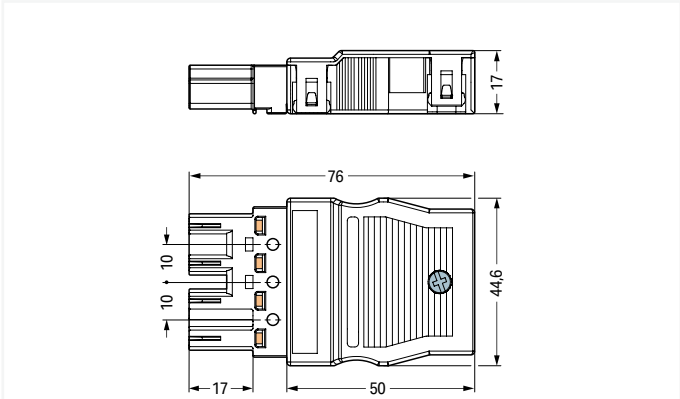

Overall length when mated

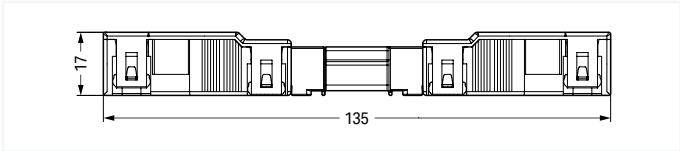
Strain relief housing ▶ Male connector/plug ▶ Strip length (outer insulation): 55 mm ▶ Connectable sheathed cable diameter : 9 … 13 mm



770-114

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● black | A | 1/L' 2/L ⏚ N | 770-114 | 25 |
| ○ white | A | 1/L' 2/L ⏚ N | 770-134 | 25 |




Overall length when mated

### Item-Specific Accessories



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ○ white | 770-221 | 100 |

### Item-Specific Accessories



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● yellow | 770-360 | 100 |

### Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

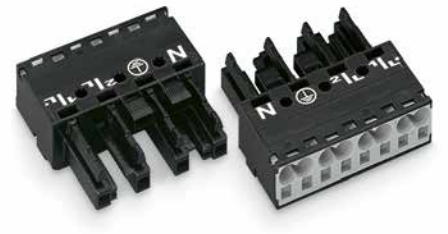
| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▶ *WINSTA*® MIDI ▶ 770 Series

## Pole number: 4 ▶ Number of connection points: 2 ▶ Protection type: IP20

Female connector/socket

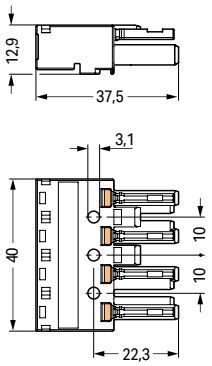


770-204

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N ⏚ 2/L 1/L' | 770-204 | 50 |
| white | A | N ⏚ 2/L 1/L' | 770-224 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 4 | 770-244 | 50 |
| gray | B | N ⏚ 2/L 1/L' | 770-244/060-000 | 50 |
| gray | B | 3 PE 2 1 | 770-244/062-000 | 50 |
| gray | B | 2L ⏚ 1L L | 770-244/064-000 | 50 |
| light green | B | 1 2 3 4 | 770-264 | 50 |
| light green | B | U- S U+ X/Y | 770-264/071-000 | 50 |
| light green | B | U- U+ DI AI | 770-264/072-000 | 50 |
| light green | B | 1 ⏚ 2 3 | 770-264/073-000 | 50 |
| pink | B | 1 2 3 4 | 770-284 | 50 |
| pink | B | 1 2 5 3 | 770-284/081-000 | 50 |

| for "Clean Ground" applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| green | Q | N PE1 PE2 L | 770-1324 | 50 |




### Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 770-101 | 100 (25) |
| white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 770-111 | 100 (25) |
| white | 770-131 | 100 (25) |



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Strain relief housing; Connectable sheathed cable diameter: 9 … 13 mm; Strip length (outer insulation): 55 mm

| Color | Item no. | PU |
|---|---|---|
| black | 770-504 | 25 |
| white | 770-514 | 25 |



Strain relief housing; Connectable sheathed cable diameter: 5 … 9 mm; Strip length (outer insulation): 55 mm

| Color | Item no. | PU |
|---|---|---|
| black | 770-504/023-000 | 25 |
| white | 770-514/023-000 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 4 ▶ Number of connection points: 2 ▶ Protection type: IP20

Male connector/plug

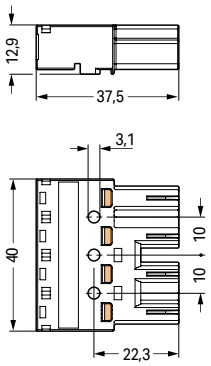


770-214

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | 1/L' 2/L ⏚ N | 770-214 | 50 |
| white | A | 1/L' 2/L ⏚ N | 770-234 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 4 3 2 1 | 770-254 | 50 |
| gray | B | 1/L' 2/L ⏚ N | 770-254/060-000 | 50 |
| gray | B | 1 2 PE 3 | 770-254/062-000 | 50 |
| gray | B | L 1L ⏚ 2L | 770-254/064-000 | 50 |
| light green | B | 4 3 2 1 | 770-274 | 50 |
| light green | B | X/Y U+ S U- | 770-274/071-000 | 50 |
| light green | B | AI DI U+ U- | 770-274/072-000 | 50 |
| light green | B | 3 2 ⏚ 1 | 770-274/073-000 | 50 |
| pink | B | 4 3 2 1 | 770-294 | 50 |
| pink | B | 3 5 2 1 | 770-294/081-000 | 50 |

| for "Clean Ground" applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| green | Q | L PE2 PE1 N | 770-1334 | 50 |




**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 770-101 | 100 (25) |
| white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 770-111 | 100 (25) |
| white | 770-131 | 100 (25) |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |



Strain relief housing; Connectable sheathed cable diameter: 9 … 13 mm; Strip length (outer insulation): 55 mm

| Color | Item no. | PU |
|---|---|---|
| black | 770-504 | 25 |
| white | 770-514 | 25 |



Strain relief housing; Connectable sheathed cable diameter: 5 … 9 mm; Strip length (outer insulation): 55 mm

| Color | Item no. | PU |
|---|---|---|
| black | 770-504/023-000 | 25 |
| white | 770-514/023-000 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Snap-in device connector ▶ *WINSTA*® MIDI ▶ 770 Series

## Pole number: 4 ▶ Number of connection points: 2 ▶ Protection type: IP20



- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Two wire connections per pole for loops or bridges
- Additional variable coding is possible.



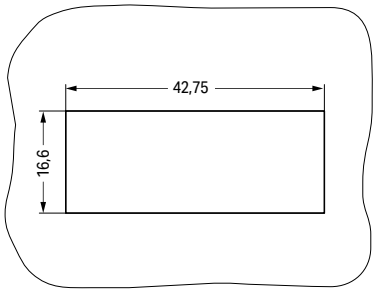



Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

| Electrical data | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Coding | A | | | B | | | Q | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 400 V | - | - | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - | 6 kV | - | - | 6 kV | - | - |
| Rated current | 25 A | - | - | 25 A | - | - | 32 A | - | - |
| Note (rated current) | | | | 25 A for 3-pole load<br>20 A for 4-pole load | | | | | |
| Approvals per | UL 1977 | | | UL 1977 | | | UL 1977 | | |
| Rated voltage | 600 V | | | 600 V | | | 600 V | | |
| Rated current | 23 A | | | 23 A | | | 23 A | | |

| Connection data | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Strip length | 9 mm / 0.35 inches |
| Nominal cross-section | 4 mm² / 12 AWG |
| Solid conductor | 0.5 … 4 mm² / 20 … 12 AWG |
| Solid conductor; push-in termination | 1.5 … 4 mm² / 16 … 12 AWG |
| Stranded conductor | 0.5 … 2.5 mm² / 20 … 14 AWG |
| Fine-stranded conductor | 0.5 … 4 mm² / 20 … 12 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 … 1.5 mm² / 20 … 16 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 … 2.5 mm² / 20 … 14 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 1.5 mm² / 16 AWG |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).


| | |
|---|---|
| Coding | Page 371 |
| Tool | Page 392 |
| See technical section for further information | |
| Approvals and corresponding ratings, visit www.wago.com | |

# Snap-in device connector ▶ *WINSTA*® MIDI ▶ 770 Series

## Pole number: 4 ▶ Number of connection points: 2 ▶ Protection type: IP20

### Female connector/socket



770-704

**General mains applications**

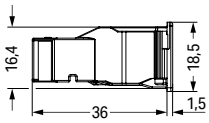
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | N ⏚ 2/L 1/L' | 770-704 | 100 |
| white | A | N ⏚ 2/L 1/L' | 770-724 | 100 |

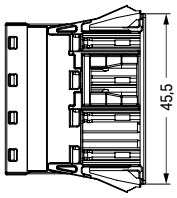
**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 4 | 770-744 | 100 |
| gray | B | N ⏚ 2/L 1/L' | 770-744/060-000 | 100 |
| gray | B | 3 PE 2 1 | 770-744/062-000 | 100 |
| gray | B | 2L ⏚ 1L L | 770-744/064-000 | 100 |
| light green | B | 1 2 3 4 | 770-764 | 100 |
| light green | B | U- S U+ X/Y | 770-764/071-000 | 100 |
| light green | B | U- U+ DI AI | 770-764/072-000 | 100 |
| light green | B | 1 ⏚ 2 3 | 770-764/073-000 | 100 |
| pink | B | 1 2 3 4 | 770-784 | 100 |
| pink | B | 1 2 5 3 | 770-784/081-000 | 100 |

**for "Clean Ground" applications**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| green | Q | N PE1 PE2 L | 770-2324 | 100 |




### Male connector/plug



770-714

**General mains applications**

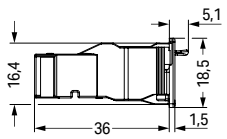
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | 1/L' 2/L ⏚ N | 770-714 | 100 |
| white | A | 1/L' 2/L ⏚ N | 770-734 | 100 |

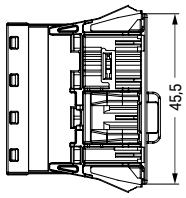
**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 4 3 2 1 | 770-754 | 100 |
| gray | B | 1/L' 2/L ⏚ N | 770-754/060-000 | 100 |
| gray | B | 1 2 PE 3 | 770-754/062-000 | 100 |
| gray | B | L 1L ⏚ 2L | 770-754/064-000 | 100 |
| light green | B | 4 3 2 1 | 770-774 | 100 |
| light green | B | X/Y U+ S U- | 770-774/071-000 | 100 |
| light green | B | AI DI U+ U- | 770-774/072-000 | 100 |
| light green | B | 3 2 ⏚ 1 | 770-774/073-000 | 100 |
| pink | B | 4 3 2 1 | 770-794 | 100 |
| pink | B | 3 5 2 1 | 770-794/081-000 | 100 |

**for "Clean Ground" applications**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| green | Q | L PE2 PE1 N | 770-2334 | 100 |




### Item-Specific Accessories



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |

### Item-Specific Accessories



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

### Accessories; for all products on this page



Lockout cap; for cutout; Pole number: 4

| Color | Item no. | PU |
|---|---|---|
| black | 770-644 | 100 |
| white | 770-694 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Snap-in device connector ▶ *WINSTA*® MIDI ▶ 770 Series

## Pole number: 4 ▶ Number of connection points: 2 ▶ Protection type: IP20

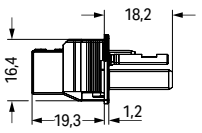
with protruding interface ▶ Female connector/socket

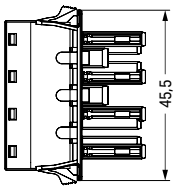


770-704/009-000

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | N ⏚ 2/L 1/L' | 770-704/009-000 | 100 |
| ○ white | A | N ⏚ 2/L 1/L' | 770-724/009-000 | 100 |




Item-Specific Accessories



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ○ white | 770-221 | 100 |

with direct ground contact ▶ Male connector/plug



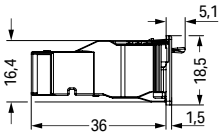
770-714/007-000

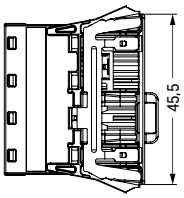
General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | 1/L' 2/L ⏚ N | 770-714/007-000 | 100 |
| ○ white | A | 1/L' 2/L ⏚ N | 770-734/007-000 | 100 |

for "Clean Ground" applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● green | Q | L PE2 PE1 N | 770-2334/007-000 | 100 |




Item-Specific Accessories



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● yellow | 770-360 | 100 |

Accessories; for all products on this page



Lockout cap; for cutout; Pole number: 4

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-644 | 100 |
| ○ white | 770-694 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable PCB connector ▶ *WINSTA*® MIDI ▶ 770 Series
Pole number: 4




- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology for direct termination of solid conductors
- Additional variable coding possible

2

| Electrical data | | | | | | |
|---|---|---|---|---|---|---|
| **Coding** | **A** | | | **B** | | |
| **Ratings per** | **IEC/EN 60664-1** | | | **IEC/EN 60664-1** | | |
| Overvoltage category | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - | 6 kV | - | - |
| Rated current | 25 A | - | - | 25 A | - | - |
| Note (rated current) | | | | 25 A for 3-pole load<br>20 A for 4-pole load | | |
| **Approvals per** | **UL 1977** | | | **UL 1977** | | |
| Rated voltage | 600 V | | | 600 V | | |
| Rated current | 23 A | | | 23 A | | |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Solder pin arrangement | 2 in-line solder pins/pole |
| Number of solder pins per potential | 2 |
| Solder pin length | 3.5 mm |
| Solder pin dimensions | 1 x 0.8 mm |
| Drilled hole diameter with tolerance | 1.5 $^{(-0.1 \ldots +0.1)}$ mm |
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Coding Page 371

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Pluggable PCB connector ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 4



### straight ▸ Female connector/socket



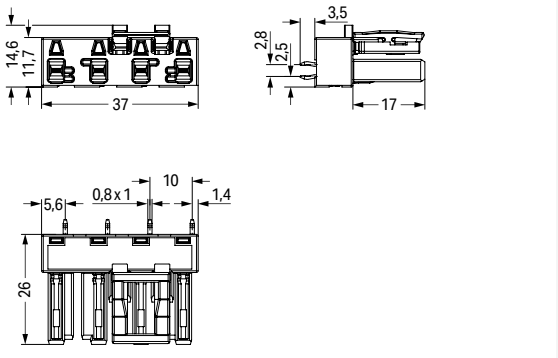

770-804

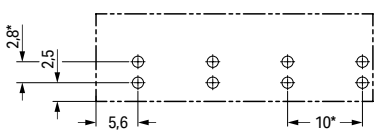
**General mains applications**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | N ⏚ 2/L 1/L' | 770-804 | 50 |
| white | A | N ⏚ 2/L 1/L' | 770-824 | 50 |

**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 4 | 770-844 | 50 |
| gray | B | N ⏚ 2/L 1/L' | 770-844/060-000 | 50 |
| gray | B | 3 PE 2 1 | 770-844/062-000 | 50 |
| gray | B | 2L ⏚ 1L L | 770-844/064-000 | 50 |
| light green | B | 1 2 3 4 | 770-864 | 50 |
| light green | B | U- S U+ X/Y | 770-864/071-000 | 50 |
| light green | B | U- U+ DI AI | 770-864/072-000 | 50 |
| light green | B | 1 ⏚ 2 3 | 770-864/073-000 | 50 |
| pink | B | 1 2 3 4 | 770-884 | 50 |
| pink | B | 1 2 5 3 | 770-884/081-000 | 50 |




* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

### straight ▸ Male connector/plug



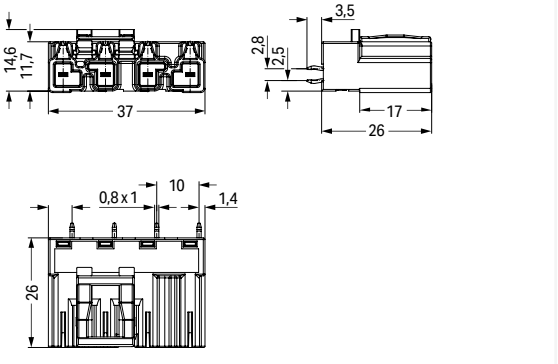

770-814

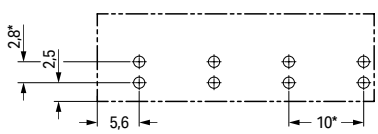
**General mains applications**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | 1/L' 2/L ⏚ N | 770-814 | 50 |
| white | A | 1/L' 2/L ⏚ N | 770-834 | 50 |

**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 4 3 2 1 | 770-854 | 50 |
| gray | B | 1/L' 2/L ⏚ N | 770-854/060-000 | 50 |
| gray | B | 1 2 PE 3 | 770-854/062-000 | 50 |
| gray | B | L 1L ⏚ 2L | 770-854/064-000 | 50 |
| light green | B | 4 3 2 1 | 770-874 | 50 |
| light green | B | X/Y U+ S U- | 770-874/071-000 | 50 |
| light green | B | AI DI U+ U- | 770-874/072-000 | 50 |
| light green | B | 3 2 ⏚ 1 | 770-874/073-000 | 50 |
| pink | B | 4 3 2 1 | 770-894 | 50 |
| pink | B | 3 5 2 1 | 770-894/081-000 | 50 |




* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

### Item-Specific Accessories



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |

### Item-Specific Accessories



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable PCB connector ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 4

2

### angled ▸ Female connector/socket



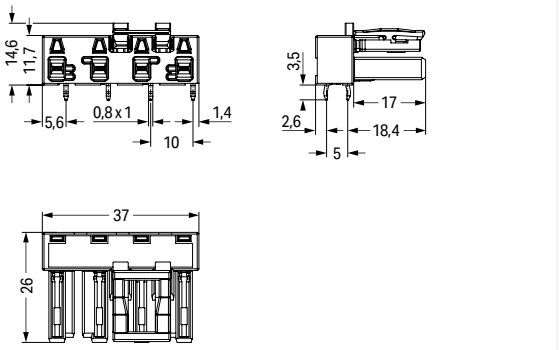
770-804/011-000

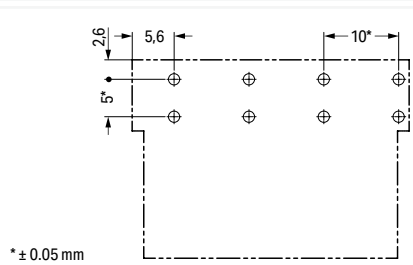
**General mains applications**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | N ⏚ 2/L 1/L' | 770-804/011-000 | 50 |
| white | A | N ⏚ 2/L 1/L' | 770-824/011-000 | 50 |

**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 4 | 770-844/011-000 | 50 |
| gray | B | N ⏚ 2/L 1/L' | 770-844/011-000/060-000 | 50 |
| gray | B | 3 PE 2 1 | 770-844/011-000/062-000 | 50 |
| gray | B | 2L ⏚ 1L L | 770-844/011-000/064-000 | 50 |
| light green | B | 1 2 3 4 | 770-864/011-000 | 50 |
| light green | B | U- S U+ X/Y | 770-864/011-000/071-000 | 50 |
| light green | B | U- U+ DI AI | 770-864/011-000/072-000 | 50 |
| light green | B | 1 ⏚ 2 3 | 770-864/011-000/073-000 | 50 |
| pink | B | 1 2 3 4 | 770-884/011-000 | 50 |
| pink | B | 1 2 5 3 | 770-884/011-000/081-000 | 50 |




### Item-Specific Accessories



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |

### angled ▸ Male connector/plug



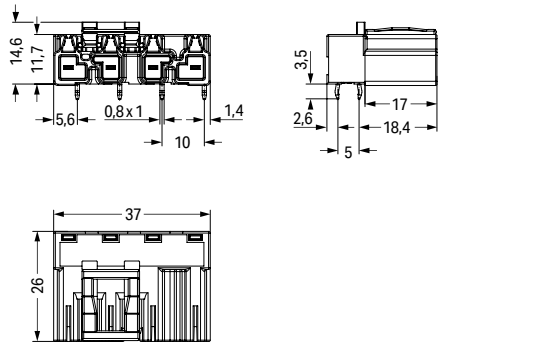
770-814/011-000

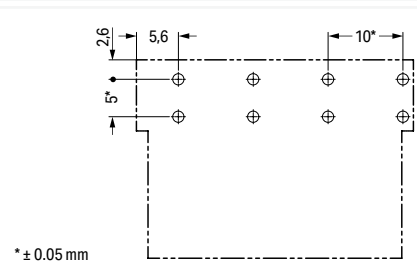
**General mains applications**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | 1/L' 2/L ⏚ N | 770-814/011-000 | 50 |
| white | A | 1/L' 2/L ⏚ N | 770-834/011-000 | 50 |

**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 4 3 2 1 | 770-854/011-000 | 50 |
| gray | B | 1/L' 2/L ⏚ N | 770-854/011-000/060-000 | 50 |
| gray | B | 1 2 PE 3 | 770-854/011-000/062-000 | 50 |
| gray | B | L 1L ⏚ 2L | 770-854/011-000/064-000 | 50 |
| light green | B | 4 3 2 1 | 770-874/011-000 | 50 |
| light green | B | X/Y U+ S U- | 770-874/011-000/071-000 | 50 |
| light green | B | AI DI U+ U- | 770-874/011-000/072-000 | 50 |
| light green | B | 3 2 ⏚ 1 | 770-874/011-000/073-000 | 50 |
| pink | B | 4 3 2 1 | 770-894/011-000 | 50 |
| pink | B | 3 5 2 1 | 770-894/011-000/081-000 | 50 |




### Item-Specific Accessories



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
Pole number: 4



- Protected against mismating and maintenance-free
- Additional variable coding is possible.

2

| Electrical data | | | | | | |
|---|---|---|---|---|---|---|
| Coding | A | | | B | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - | 6 kV | - | - |
| Rated current | 25 A | - | - | 25 A | - | - |
| Note (rated current) | | | | 25 A for 3-pole load<br>20 A for 4-pole load | | |
| Approvals per | UL 1977 | | | UL 1977 | | |
| Rated voltage | 600 V | | | 600 V | | |
| Rated current | 23 A | | | 23 A | | |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | Approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | When locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Coding Page 371

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

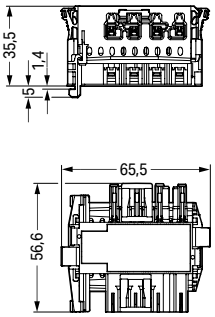
# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 4

Linect® T-connector



770-6224

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ○ white | A | N ⏚ 2/L 1/L' | 770-6224 | 25 |







**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ○ white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ○ yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 4

T-distribution connector

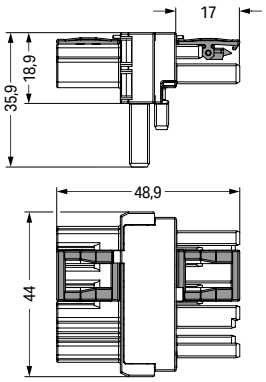
Number of locking levers: 2



770-626

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N ⏚ 2/L 1/L' | 770-626 | 50 |
| white | A | N ⏚ 2/L 1/L' | 770-676 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 4 | 770-1631 | 50 |
| light green | B | 1 2 3 4 | 770-1632 | 50 |
| pink | B | 1 2 3 4 | 770-1633 | 50 |



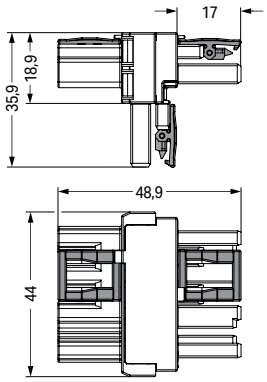

for flying leads ▸ Number of locking levers: 3



770-627

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N ⏚ 2/L 1/L' | 770-627 | 50 |
| white | A | N ⏚ 2/L 1/L' | 770-677 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 4 | 770-1731 | 50 |
| light green | B | 1 2 3 4 | 770-1732 | 50 |
| pink | B | 1 2 3 4 | 770-1733 | 50 |




**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Mounting carrier; for T-distribution connectors; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| silver-colored | 770-354 | 50 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 4

h-distribution connector, outputs on one side

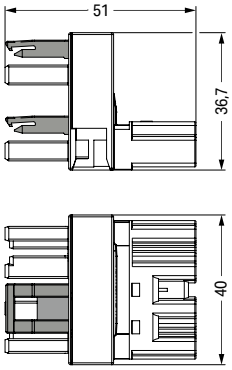
Number of locking levers: 2



770-944

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N ⏚ 2/L 1/L' | 770-944 | 25 |
| white | A | N ⏚ 2/L 1/L' | 770-994 | 25 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 4 | 770-1681 | 50 |
| light green | B | 1 2 3 4 | 770-1682 | 50 |
| pink | B | 1 2 3 4 | 770-1683 | 50 |



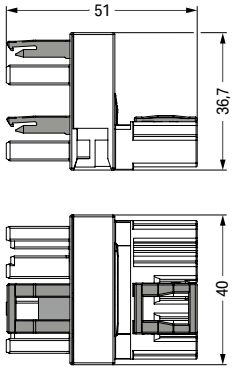

for flying leads ▸ Number of locking levers: 3



770-945

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N ⏚ 2/L 1/L' | 770-945 | 25 |
| white | A | N ⏚ 2/L 1/L' | 770-995 | 25 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 4 | 770-1781 | 50 |
| light green | B | 1 2 3 4 | 770-1782 | 50 |
| pink | B | 1 2 3 4 | 770-1783 | 50 |




**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |



Mounting plate; for distribution connectors (except T-distribution connectors); 4-pole

| Color | Item no. | PU |
|---|---|---|
| black | 770-624 | 25 |
| white | 770-674 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

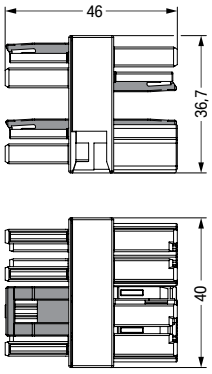
# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 4

Distribution connector, 3-way ▶ Number of locking levers: 4



770-1734

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 4 | 770-1734 | 50 |
| light green | B | 1 2 3 4 | 770-1735 | 50 |
| pink | B | 1 2 3 4 | 770-1736 | 50 |




**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |



Mounting plate; for distribution connectors (except T-distribution connectors); 4-pole

| Color | Item no. | PU |
|---|---|---|
| black | 770-624 | 25 |
| white | 770-674 | 25 |

**PU = packaging unit; SPU = subpackaging unit; Dimensions in mm**

# Cable assembly ► *WINSTA*® MIDI ► 771 Series
## Pole number: 4 ► Protection type: IP20 ► Fire class per EN 50575: $E_{ca}$



- Protected against mismating and maintenance-free
- Additional variable coding is possible.

| Electrical data | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Coding | A; B | | | A | | | B | | |
| Wire cross-section | 1.5 mm² | | | 1.5 mm² | | | 1 mm² | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 250 V | - | - | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - | 4 kV | - | - | 6 kV | - | - |
| Rated current | 16 A | - | - | 16 A | - | - | 10 A | - | - |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| Fire class per EN 50575 | $E_{ca}$ |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | when unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | when locked: > 80N |
| Protection type | IP20 |
| Note on protection type | When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

Cables with a different fire class can be found in the eS-hop.

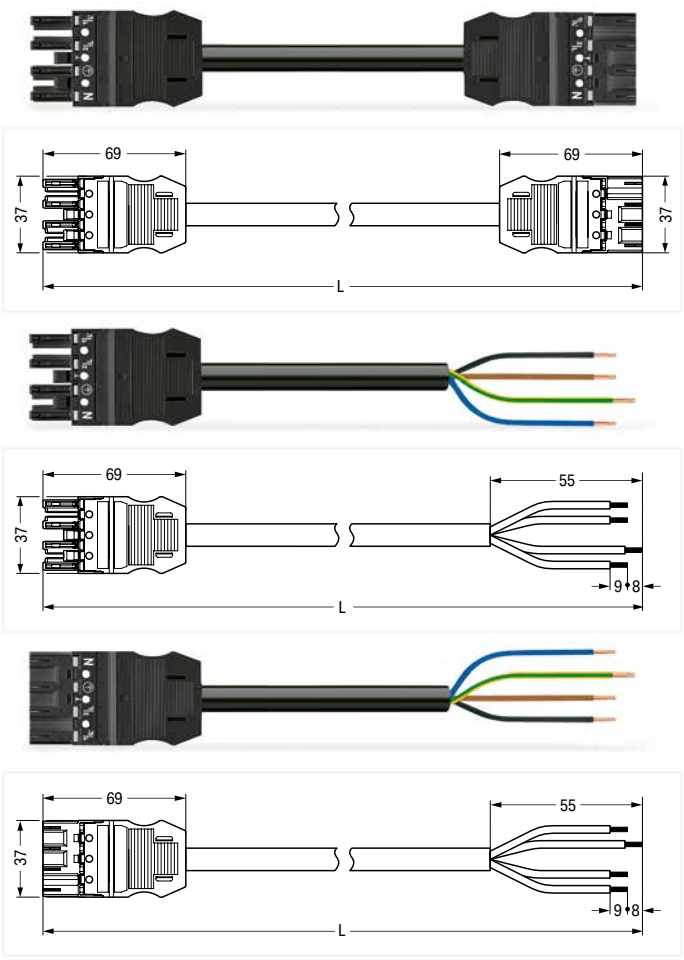
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).


| | |
|---|---|
| Coding | Page 371 |
| Cover | Page 372 |
| Marking | Page 397 |
| See technical section for further information | |
| Approvals and corresponding ratings, visit www.wago.com | |

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 4 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 1.5 mm² ▶ Marking: N ⏚ 2/L 1/L' ▶ PVC ▶ Sheathed cable diameter: 8.4 … 10.5 mm ▶ H05VV-F 4G1.5 ▶ General mains applications




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9994/006-101 | 771-9994/006-102 | | 1 |
| 2 m | 771-9994/006-201 | 771-9994/006-202 | | 1 |
| 3 m | 771-9994/006-301 | 771-9994/006-302 | | 1 |
| 4 m | 771-9994/006-401 | 771-9994/006-402 | | 1 |
| 5 m | 771-9994/006-501 | 771-9994/006-502 | | 1 |
| 6 m | 771-9994/006-601 | 771-9994/006-602 | | 1 |
| 7 m | 771-9994/006-701 | 771-9994/006-702 | | 1 |
| 8 m | 771-9994/006-801 | 771-9994/006-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9994/106-101 | 771-9994/106-102 | | 1 |
| 2 m | 771-9994/106-201 | 771-9994/106-202 | | 1 |
| 3 m | 771-9994/106-301 | 771-9994/106-302 | | 1 |
| 4 m | 771-9994/106-401 | 771-9994/106-402 | | 1 |
| 5 m | 771-9994/106-501 | 771-9994/106-502 | | 1 |
| 6 m | 771-9994/106-601 | 771-9994/106-602 | | 1 |
| 7 m | 771-9994/106-701 | 771-9994/106-702 | | 1 |
| 8 m | 771-9994/106-801 | 771-9994/106-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9994/206-101 | 771-9994/206-102 | | 1 |
| 2 m | 771-9994/206-201 | 771-9994/206-202 | | 1 |
| 3 m | 771-9994/206-301 | 771-9994/206-302 | | 1 |
| 4 m | 771-9994/206-401 | 771-9994/206-402 | | 1 |
| 5 m | 771-9994/206-501 | 771-9994/206-502 | | 1 |
| 6 m | 771-9994/206-601 | 771-9994/206-602 | | 1 |
| 7 m | 771-9994/206-701 | 771-9994/206-702 | | 1 |
| 8 m | 771-9994/206-801 | 771-9994/206-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

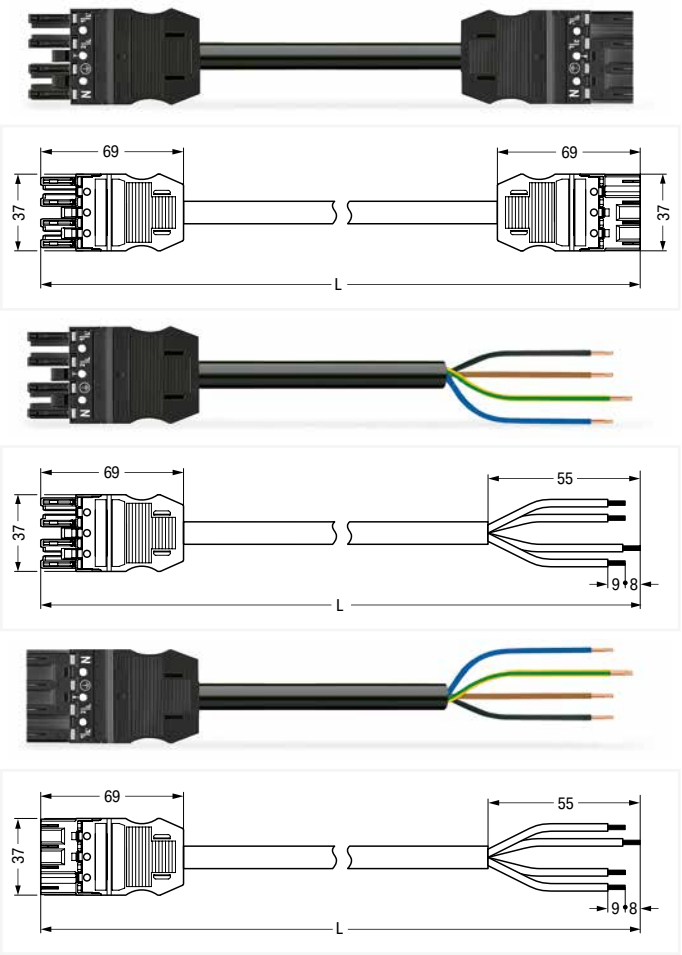
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 4 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 1.5 mm² ▶ Marking: N ⏚ 2/L 1/L' ▶ Halogen-free ▶ Sheathed cable diameter: 8.4 … 10.5 mm ▶ H05Z1Z1-F 4G1.5 ▶ General mains applications






Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9994/016-101 | 771-9994/016-102 | | 1 |
| 2 m | 771-9994/016-201 | 771-9994/016-202 | | 1 |
| 3 m | 771-9994/016-301 | 771-9994/016-302 | | 1 |
| 4 m | 771-9994/016-401 | 771-9994/016-402 | | 1 |
| 5 m | 771-9994/016-501 | 771-9994/016-502 | | 1 |
| 6 m | 771-9994/016-601 | 771-9994/016-602 | | 1 |
| 7 m | 771-9994/016-701 | 771-9994/016-702 | | 1 |
| 8 m | 771-9994/016-801 | 771-9994/016-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9994/116-101 | 771-9994/116-102 | | 1 |
| 2 m | 771-9994/116-201 | 771-9994/116-202 | | 1 |
| 3 m | 771-9994/116-301 | 771-9994/116-302 | | 1 |
| 4 m | 771-9994/116-401 | 771-9994/116-402 | | 1 |
| 5 m | 771-9994/116-501 | 771-9994/116-502 | | 1 |
| 6 m | 771-9994/116-601 | 771-9994/116-602 | | 1 |
| 7 m | 771-9994/116-701 | 771-9994/116-702 | | 1 |
| 8 m | 771-9994/116-801 | 771-9994/116-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9994/216-101 | 771-9994/216-102 | | 1 |
| 2 m | 771-9994/216-201 | 771-9994/216-202 | | 1 |
| 3 m | 771-9994/216-301 | 771-9994/216-302 | | 1 |
| 4 m | 771-9994/216-401 | 771-9994/216-402 | | 1 |
| 5 m | 771-9994/216-501 | 771-9994/216-502 | | 1 |
| 6 m | 771-9994/216-601 | 771-9994/216-602 | | 1 |
| 7 m | 771-9994/216-701 | 771-9994/216-702 | | 1 |
| 8 m | 771-9994/216-801 | 771-9994/216-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

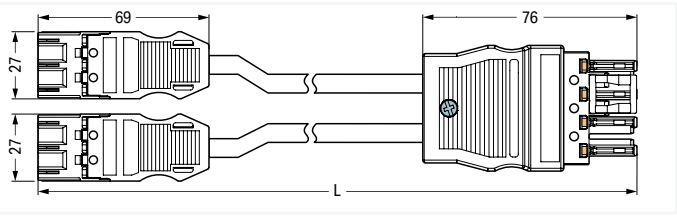
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

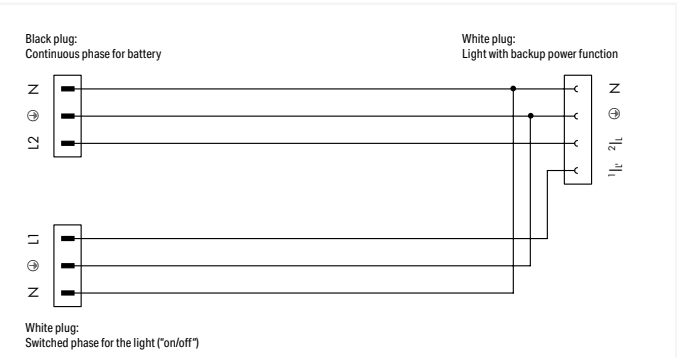
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 4 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 1.5 mm² ▶ PVC ▶ Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05VV-F 3G1.5 ▶ MIDI plug; MIDI plug - MIDI socket ▶ Backup power function






This cable connects lights with backup power function (battery pack). The black 3-pole plug connects the continuous phase for the battery, while the white 3-pole plug connects the switched phase for the light ("on/off").
The white 4-pole socket can be directly plugged into the light.

| Y-cable | | | | |
|---|---|---|---|---|
| Total length | Connector color / Strain relief color | | | PU |
| | white / white | | | |
| 0.6 m | 771-5001/100-000 | | | 1 |

2

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |

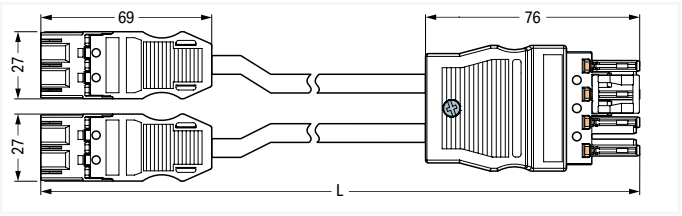
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

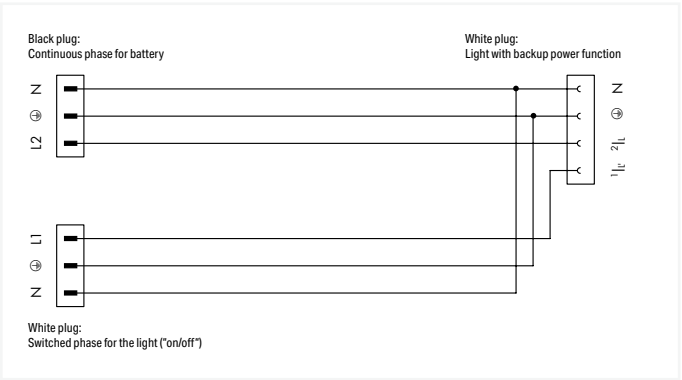
# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 4 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 1.5 mm² ▶ Halogen-free ▶ Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05Z1Z1-F 3G1.5 ▶ MIDI plug; MIDI plug - MIDI socket ▶ Backup power function








This cable connects lights with backup power function (battery pack). The black 3-pole plug connects the continuous phase for the battery, while the white 3-pole plug connects the switched phase for the light ("on/off").
The white 4-pole socket can be directly plugged into the light.

| Y-cable | | | | |
|---|---|---|---|---|
| Total length | Connector color / Strain relief color | | | PU |
| | white / white | | | |
| 0.6 m | 771-5001/110-000 | | | 1 |

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



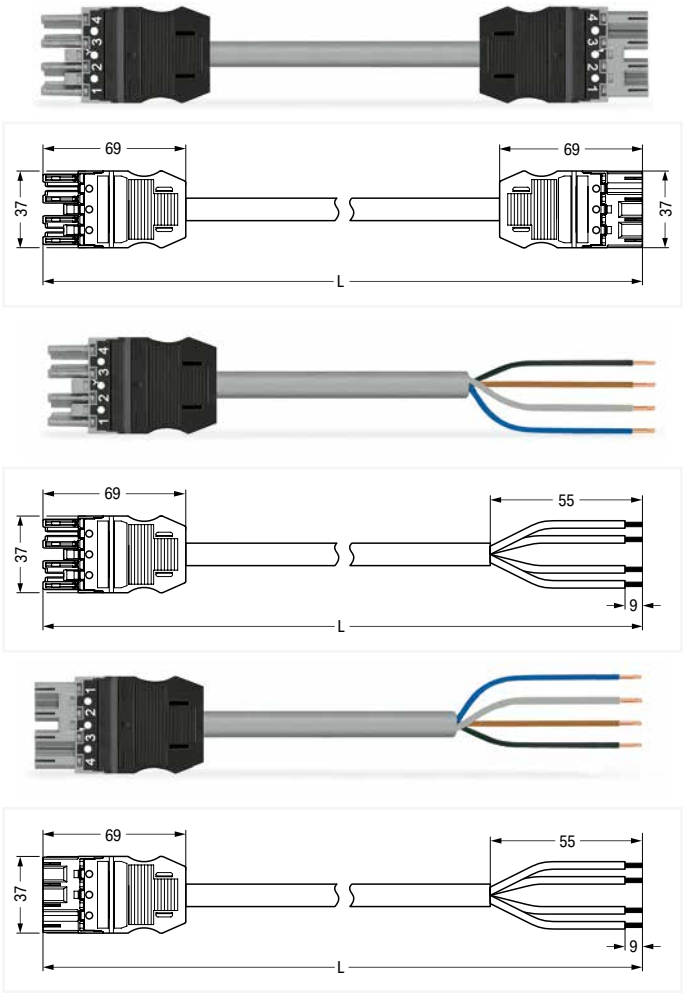
Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 4 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: B ▶ 1 mm² ▶ Marking: 1 2 3 4 ▶ PVC ▶ Sheathed cable diameter: 7.1 … 9 mm ▶ Control line 4 x 1 ▶ Control technology




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-9994/005-103 | 771-9994/005-105 | 771-9994/005-107 | 1 |
| 2 m | 771-9994/005-203 | 771-9994/005-205 | 771-9994/005-207 | 1 |
| 3 m | 771-9994/005-303 | 771-9994/005-305 | 771-9994/005-307 | 1 |
| 4 m | 771-9994/005-403 | 771-9994/005-405 | 771-9994/005-407 | 1 |
| 5 m | 771-9994/005-503 | 771-9994/005-505 | 771-9994/005-507 | 1 |
| 6 m | 771-9994/005-603 | 771-9994/005-605 | 771-9994/005-607 | 1 |
| 7 m | 771-9994/005-703 | 771-9994/005-705 | 771-9994/005-707 | 1 |
| 8 m | 771-9994/005-803 | 771-9994/005-805 | 771-9994/005-807 | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-9994/105-103 | 771-9994/105-105 | 771-9994/105-107 | 1 |
| 2 m | 771-9994/105-203 | 771-9994/105-205 | 771-9994/105-207 | 1 |
| 3 m | 771-9994/105-303 | 771-9994/105-305 | 771-9994/105-307 | 1 |
| 4 m | 771-9994/105-403 | 771-9994/105-405 | 771-9994/105-407 | 1 |
| 5 m | 771-9994/105-503 | 771-9994/105-505 | 771-9994/105-507 | 1 |
| 6 m | 771-9994/105-603 | 771-9994/105-605 | 771-9994/105-607 | 1 |
| 7 m | 771-9994/105-703 | 771-9994/105-705 | 771-9994/105-707 | 1 |
| 8 m | 771-9994/105-803 | 771-9994/105-805 | 771-9994/105-807 | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-9994/205-103 | 771-9994/205-105 | 771-9994/205-107 | 1 |
| 2 m | 771-9994/205-203 | 771-9994/205-205 | 771-9994/205-207 | 1 |
| 3 m | 771-9994/205-303 | 771-9994/205-305 | 771-9994/205-307 | 1 |
| 4 m | 771-9994/205-403 | 771-9994/205-405 | 771-9994/205-407 | 1 |
| 5 m | 771-9994/205-503 | 771-9994/205-505 | 771-9994/205-507 | 1 |
| 6 m | 771-9994/205-603 | 771-9994/205-605 | 771-9994/205-607 | 1 |
| 7 m | 771-9994/205-703 | 771-9994/205-705 | 771-9994/205-707 | 1 |
| 8 m | 771-9994/205-803 | 771-9994/205-805 | 771-9994/205-807 | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

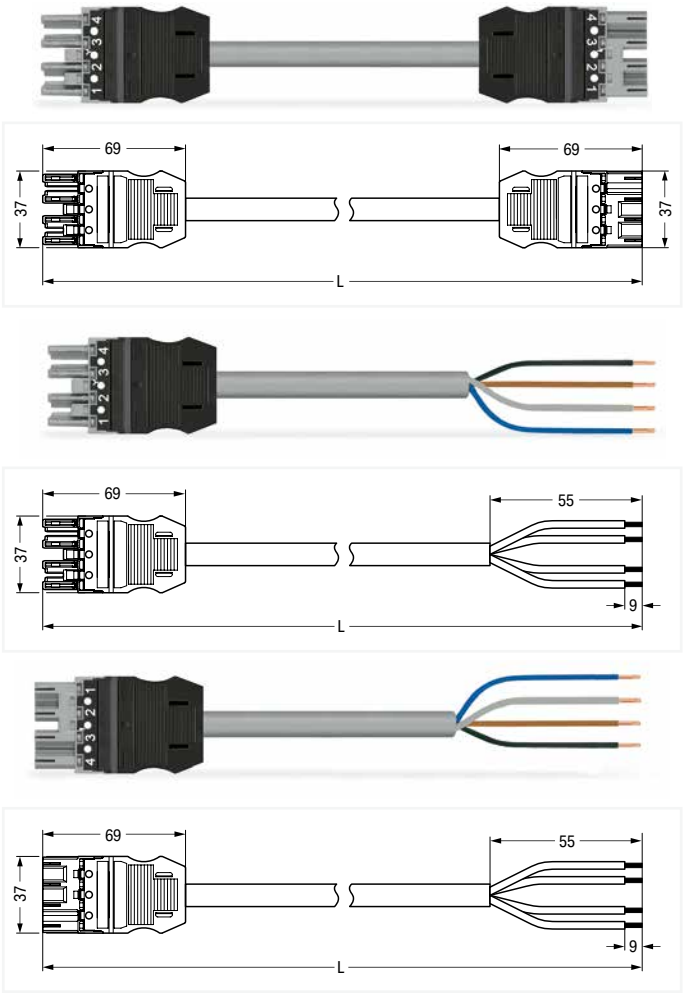
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 4 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: B ▶ 1.5 mm² ▶ Marking: 1 2 3 4 ▶ PVC ▶ Sheathed cable diameter: 8.4 … 10.5 mm ▶ Control line 4 x 1.5 ▶ Control technology






Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-9994/006-103 | 771-9994/006-105 | 771-9994/006-107 | 1 |
| 2 m | 771-9994/006-203 | 771-9994/006-205 | 771-9994/006-207 | 1 |
| 3 m | 771-9994/006-303 | 771-9994/006-305 | 771-9994/006-307 | 1 |
| 4 m | 771-9994/006-403 | 771-9994/006-405 | 771-9994/006-407 | 1 |
| 5 m | 771-9994/006-503 | 771-9994/006-505 | 771-9994/006-507 | 1 |
| 6 m | 771-9994/006-603 | 771-9994/006-605 | 771-9994/006-607 | 1 |
| 7 m | 771-9994/006-703 | 771-9994/006-705 | 771-9994/006-707 | 1 |
| 8 m | 771-9994/006-803 | 771-9994/006-805 | 771-9994/006-807 | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-9994/106-103 | 771-9994/106-105 | 771-9994/106-107 | 1 |
| 2 m | 771-9994/106-203 | 771-9994/106-205 | 771-9994/106-207 | 1 |
| 3 m | 771-9994/106-303 | 771-9994/106-305 | 771-9994/106-307 | 1 |
| 4 m | 771-9994/106-403 | 771-9994/106-405 | 771-9994/106-407 | 1 |
| 5 m | 771-9994/106-503 | 771-9994/106-505 | 771-9994/106-507 | 1 |
| 6 m | 771-9994/106-603 | 771-9994/106-605 | 771-9994/106-607 | 1 |
| 7 m | 771-9994/106-703 | 771-9994/106-705 | 771-9994/106-707 | 1 |
| 8 m | 771-9994/106-803 | 771-9994/106-805 | 771-9994/106-807 | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-9994/206-103 | 771-9994/206-105 | 771-9994/206-107 | 1 |
| 2 m | 771-9994/206-203 | 771-9994/206-205 | 771-9994/206-207 | 1 |
| 3 m | 771-9994/206-303 | 771-9994/206-305 | 771-9994/206-307 | 1 |
| 4 m | 771-9994/206-403 | 771-9994/206-405 | 771-9994/206-407 | 1 |
| 5 m | 771-9994/206-503 | 771-9994/206-505 | 771-9994/206-507 | 1 |
| 6 m | 771-9994/206-603 | 771-9994/206-605 | 771-9994/206-607 | 1 |
| 7 m | 771-9994/206-703 | 771-9994/206-705 | 771-9994/206-707 | 1 |
| 8 m | 771-9994/206-803 | 771-9994/206-805 | 771-9994/206-807 | 1 |

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 5 ▶ Protection type: IP20




- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology for direct termination of solid conductors
- Two wire connections per pole for loops or bridges
- Additional variable coding possible

2

| Electrical data | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Coding | A; I; L; P | | | B | | | Q | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 400 V | - | - | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - | 6 kV | - | - | 6 kV | - | - |
| Rated current | 25 A | - | - | 25 A | - | - | 32 A | - | - |
| Note (rated current) | | | | 25 A for 3-pole load<br>20 A for 4- and 5-pole load | | | | | |
| Approvals per | UL 1977 | | | UL 1977 | | | UL 1977 | | |
| Rated voltage | 600 V | | | 600 V | | | 600 V | | |
| Rated current | 23 A | | | 23 A | | | 23 A | | |

| Connection data | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Strip length | 9 mm / 0.35 inches |
| Nominal cross-section | 4 mm² / 12 AWG |
| Solid conductor | 0.5 … 4 mm² / 20 … 12 AWG |
| Solid conductor; push-in termination | 1.5 … 4 mm² / 16 … 12 AWG |
| Stranded conductor | 0.5 … 2.5 mm² / 20 … 14 AWG |
| Fine-stranded conductor | 0.5 … 4 mm² / 20 … 12 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 … 1.5 mm² / 20 … 16 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 … 2.5 mm² / 20 … 14 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 1.5 mm² / 16 AWG |

| Material Data | |
|---|---|
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).


| | |
|---|---|
| Coding | Page 371 |
| Cover | Page 372 |
| Installation | Page 383 |
| Marking | Page 397 |
| Tool | Page 392 |


See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

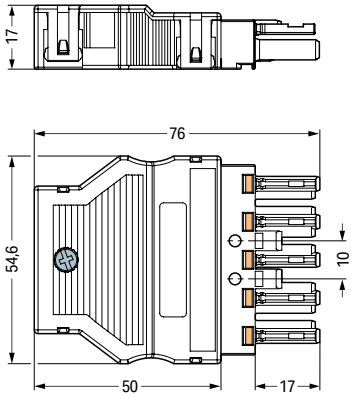
# Pluggable connectors ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 5 ▶ Protection type: IP20

Number of connection points: 2 ▶ Strain relief housing ▶ Female connector/socket ▶ Strip length (outer insulation): 55 mm ▶ Connectable sheathed cable diameter : 9 … 13 mm




770-105

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● black | A | N ⏚ L1 L2 L3 | 770-105 | 25 |
| ○ white | A | N ⏚ L1 L2 L3 | 770-125 | 25 |



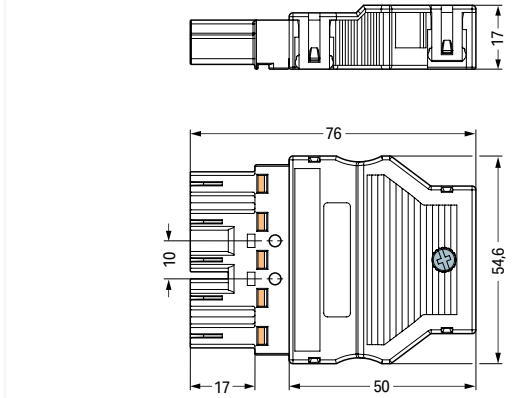

Overall length when mated

Number of connection points: 2 ▶ Strain relief housing ▶ Male connector/plug ▶ Strip length (outer insulation): 55 mm ▶ Connectable sheathed cable diameter : 9 … 13 mm




770-115

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● black | A | L3 L2 L1 ⏚ N | 770-115 | 25 |
| ○ white | A | L3 L2 L1 ⏚ N | 770-135 | 25 |




Overall length when mated

### Item-Specific Accessories



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ○ white | 770-221 | 100 |

### Item-Specific Accessories



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● yellow | 770-360 | 100 |

### Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 5 ▶ Protection type: IP20

Number of connection points: 2 ▶ Female connector/socket




770-205

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N ⏚ L1 L2 L3 | 770-205 | 50 |
| white | A | N ⏚ L1 L2 L3 | 770-225 | 50 |

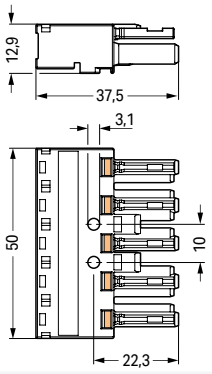
| for "Clean Ground" applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| green | Q | N PE1 PE2 PE3 L | 770-1325 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 4 5 | 770-245 | 50 |
| gray | B | N ⏚ L1 L2 L3 | 770-245/060-000 | 50 |
| gray | B | N PE 3 2 1 | 770-245/062-000 | 50 |
| gray | B | N ⏚ L 2L 1L | 770-245/064-000 | 50 |
| light green | B | 1 2 3 4 5 | 770-265 | 50 |
| light green | B | 1 ⏚ 2 3 4 | 770-265/073-000 | 50 |
| pink | B | 1 2 3 4 5 | 770-285 | 50 |
| pink | B | N ⏚ L I- I+ | 770-285/080-000 | 50 |
| pink | B | N ⏚ L - + | 770-285/082-000 | 50 |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| blue | I | N ⏚ L DA- DA+ | 770-1105 | 50 |

| Emergency power supply | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| dark gray | L | N ⏚ L N' L' | 770-1165 | 50 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| red | P | N ⏚ L1 L2 L3 | 770-1305 | 50 |




### Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 770-101 | 100 (25) |
| white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 770-111 | 100 (25) |
| white | 770-131 | 100 (25) |



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Strain relief housing; Connectable sheathed cable diameter: 9 … 13 mm; Strip length (outer insulation): 55 mm

| Color | Item no. | PU |
|---|---|---|
| black | 770-505 | 25 |
| white | 770-515 | 25 |



Strain relief housing; Connectable sheathed cable diameter: 11.5 … 16.5 mm; Strip length (outer insulation): 71 mm

| Color | Item no. | PU |
|---|---|---|
| black | 770-505/021-000 | 25 |
| white | 770-515/021-000 | 25 |



Strain relief housing; Connectable sheathed cable diameter: 5 … 9 mm; Strip length (outer insulation): 55 mm

| Color | Item no. | PU |
|---|---|---|
| black | 770-505/023-000 | 25 |
| white | 770-515/023-000 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 5 ▸ Protection type: IP20

Number of connection points: 2 ▸ Male connector/plug




770-215

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L3 L2 L1 ⏚ N | 770-215 | 50 |
| white | A | L3 L2 L1 ⏚ N | 770-235 | 50 |

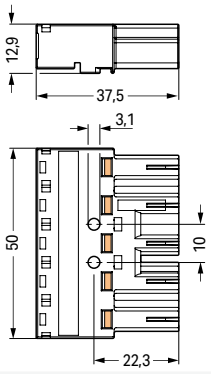
| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 5 4 3 2 1 | 770-255 | 50 |
| gray | B | L3 L2 L1 ⏚ N | 770-255/060-000 | 50 |
| gray | B | 1 2 3 PE N | 770-255/062-000 | 50 |
| gray | B | 1L 2L L ⏚ N | 770-255/064-000 | 50 |
| light green | B | 5 4 3 2 1 | 770-275 | 50 |
| light green | B | 4 3 2 ⏚ 1 | 770-275/073-000 | 50 |
| pink | B | 5 4 3 2 1 | 770-295 | 50 |
| pink | B | I+ I- L ⏚ N | 770-295/080-000 | 50 |
| pink | B | + - L ⏚ N | 770-295/082-000 | 50 |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| blue | I | DA+ DA- L ⏚ N | 770-1115 | 50 |

| Emergency power supply | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| dark gray | L | L' N' L ⏚ N | 770-1175 | 50 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| red | P | L3 L2 L1 ⏚ N | 770-1315 | 50 |

| for "Clean Ground" applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| green | Q | L PE3 PE2 PE1 N | 770-1335 | 50 |




### Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 770-101 | 100 (25) |
| white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| black | 770-111 | 100 (25) |
| white | 770-131 | 100 (25) |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |



Strain relief housing; Connectable sheathed cable diameter: 9 … 13 mm; Strip length (outer insulation): 55 mm

| Color | Item no. | PU |
|---|---|---|
| black | 770-505 | 25 |
| white | 770-515 | 25 |



Strain relief housing; Connectable sheathed cable diameter: 11.5 … 16.5 mm; Strip length (outer insulation): 71 mm

| Color | Item no. | PU |
|---|---|---|
| black | 770-505/021-000 | 25 |
| white | 770-515/021-000 | 25 |



Strain relief housing; Connectable sheathed cable diameter: 5 … 9 mm; Strip length (outer insulation): 55 mm

| Color | Item no. | PU |
|---|---|---|
| black | 770-505/023-000 | 25 |
| white | 770-515/023-000 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

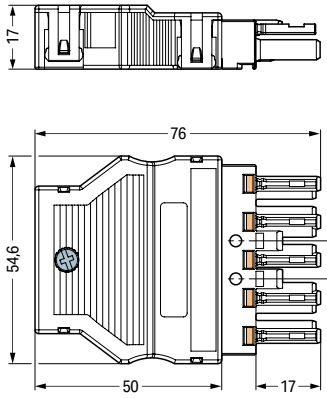
# Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 5 ▸ Protection type: IP20

Number of connection points: 1 ▸ Strain relief housing ▸ Female connector/socket ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter : 9 … 13 mm




770-305

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● black | A | N ⏚ L1 L2 L3 | 770-305 | 25 |
| ○ white | A | N ⏚ L1 L2 L3 | 770-325 | 25 |



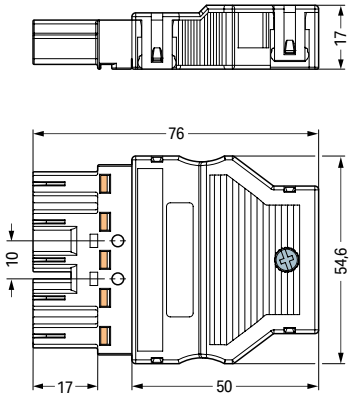

Overall length when mated

Number of connection points: 1 ▸ Strain relief housing ▸ Male connector/plug ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter : 9 … 13 mm




770-315

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| ● black | A | L3 L2 L1 ⏚ N | 770-315 | 25 |
| ○ white | A | L3 L2 L1 ⏚ N | 770-335 | 25 |




Overall length when mated

### Item-Specific Accessories



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ○ white | 770-221 | 100 |

### Item-Specific Accessories



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● yellow | 770-360 | 100 |

### Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 5 ▸ Protection type: IP20

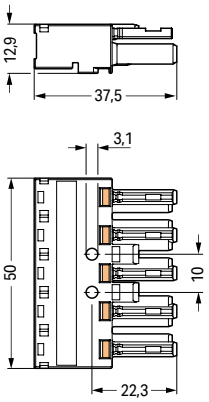
Number of connection points: 1 ▸ Female connector/socket




770-405

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | N ⏚ L1 L2 L3 | 770-405 | 50 |
| ○ white | A | N ⏚ L1 L2 L3 | 770-425 | 50 |




Item-Specific Accessories



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ○ white | 770-221 | 100 |

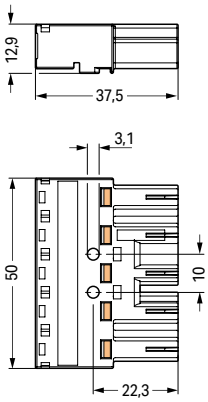
Number of connection points: 1 ▸ Male connector/plug




770-415

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | L3 L2 L1 ⏚ N | 770-415 | 50 |
| ○ white | A | L3 L2 L1 ⏚ N | 770-435 | 50 |




Item-Specific Accessories



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● yellow | 770-360 | 100 |

Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Snap-in device connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 5 ▶ Number of connection points: 2 ▶ Protection type: IP20



- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Two wire connections per pole for loops or bridges
- Additional variable coding is possible.



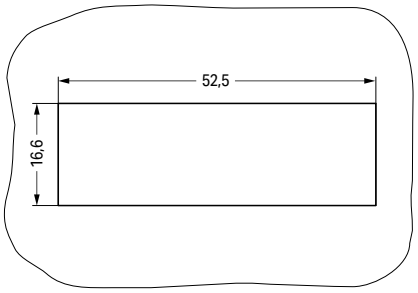



Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

| Electrical data | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Coding | A; I; P | | | B | | | Q | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 400 V | - | - | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - | 6 kV | - | - | 6 kV | - | - |
| Rated current | 25 A | - | - | 25 A | - | - | 32 A | - | - |
| Note (rated current) | | | | 25 A for 3-pole load<br>20 A for 4- and 5-pole load | | | | | |
| Approvals per | UL 1977 | | | UL 1977 | | | UL 1977 | | |
| Rated voltage | 600 V | | | 600 V | | | 600 V | | |
| Rated current | 23 A | | | 23 A | | | 23 A | | |

| Connection data | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Strip length | 9 mm / 0.35 inches |
| Nominal cross-section | 4 mm² / 12 AWG |
| Solid conductor | 0.5 … 4 mm² / 20 … 12 AWG |
| Solid conductor; push-in termination | 1.5 … 4 mm² / 16 … 12 AWG |
| Stranded conductor | 0.5 … 2.5 mm² / 20 … 14 AWG |
| Fine-stranded conductor | 0.5 … 4 mm² / 20 … 12 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 … 1.5 mm² / 20 … 16 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 … 2.5 mm² / 20 … 14 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 1.5 mm² / 16 AWG |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Tool Page 392

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Snap-in device connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 5 ▶ Number of connection points: 2 ▶ Protection type: IP20

Female connector/socket



770-705

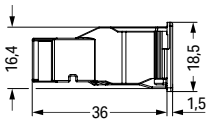
| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N ⏚ L1 L2 L3 | 770-705 | 50 |
| white | A | N ⏚ L1 L2 L3 | 770-725 | 50 |

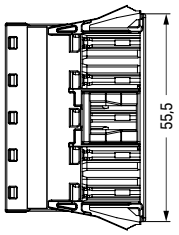
| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 4 5 | 770-745 | 50 |
| gray | B | N ⏚ L1 L2 L3 | 770-745/060-000 | 50 |
| gray | B | N PE 3 2 1 | 770-745/062-000 | 50 |
| gray | B | N ⏚ L 2L 1L | 770-745/064-000 | 50 |
| light green | B | 1 2 3 4 5 | 770-765 | 50 |
| light green | B | 1 ⏚ 2 3 4 | 770-765/073-000 | 50 |
| pink | B | 1 2 3 4 5 | 770-785 | 50 |
| pink | B | N ⏚ L I- I+ | 770-785/080-000 | 50 |
| pink | B | N ⏚ L - + | 770-785/082-000 | 50 |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| blue | I | N ⏚ L DA- DA+ | 770-2105 | 50 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| red | P | N ⏚ L1 L2 L3 | 770-2305 | 50 |

| for "Clean Ground" applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| green | Q | N PE1 PE2 PE3 L | 770-2325 | 50 |




**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Lockout cap; for cutout; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| black | 770-645 | 100 |
| white | 770-695 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Snap-in device connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 5 ▶ Number of connection points: 2 ▶ Protection type: IP20

Male connector/plug



770-715

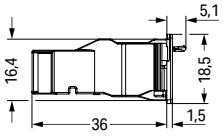
| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L3 L2 L1 ⏚ N | 770-715 | 50 |
| white | A | L3 L2 L1 ⏚ N | 770-735 | 50 |

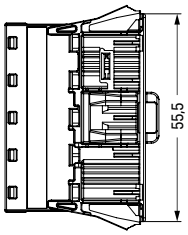
| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 5 4 3 2 1 | 770-755 | 50 |
| gray | B | L3 L2 L1 ⏚ N | 770-755/060-000 | 50 |
| gray | B | 1 2 3 PE N | 770-755/062-000 | 50 |
| gray | B | 1L 2L L ⏚ N | 770-755/064-000 | 50 |
| light green | B | 5 4 3 2 1 | 770-775 | 50 |
| light green | B | 4 3 2 ⏚ 1 | 770-775/073-000 | 50 |
| pink | B | 5 4 3 2 1 | 770-795 | 50 |
| pink | B | I+ I- L ⏚ N | 770-795/080-000 | 50 |
| pink | B | + - L ⏚ N | 770-795/082-000 | 50 |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| blue | I | DA+ DA- L ⏚ N | 770-2115 | 50 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| red | P | L3 L2 L1 ⏚ N | 770-2315 | 50 |

| for "Clean Ground" applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| green | Q | L PE3 PE2 PE1 N | 770-2335 | 50 |




**Accessories; for all products on this page**



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |



Lockout cap; for cutout; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| black | 770-645 | 100 |
| white | 770-695 | 100 |

**PU = packaging unit; SPU = subpackaging unit; Dimensions in mm**

# Snap-in device connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 5 ▶ Number of connection points: 2 ▶ Protection type: IP20

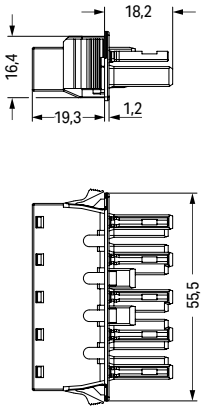
with protruding interface ▶ Female connector/socket



770-705/009-000

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | N ⏚ L1 L2 L3 | 770-705/009-000 | 50 |
| ○ white | A | N ⏚ L1 L2 L3 | 770-725/009-000 | 50 |




with direct ground contact ▶ Male connector/plug



770-715/007-000

General mains applications

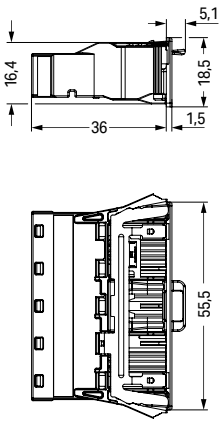
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | L3 L2 L1 ⏚ N | 770-715/007-000 | 50 |
| ○ white | A | L3 L2 L1 ⏚ N | 770-735/007-000 | 50 |

DALI, Lighting Management

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● blue | I | DA+ DA- L ⏚ N | 770-2115/007-000 | 50 |

for "Clean Ground" applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● green | Q | L PE3 PE2 PE1 N | 770-2335/007-000 | 50 |




### Item-Specific Accessories



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ○ white | 770-221 | 100 |

### Item-Specific Accessories



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● yellow | 770-360 | 100 |

### Accessories; for all products on this page



Lockout cap; for cutout; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-645 | 100 |
| ○ white | 770-695 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable PCB connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 5




- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology for direct termination of solid conductors
- Additional variable coding possible

2

| Electrical data | | | | | | |
|---|---|---|---|---|---|---|
| **Coding** | **A; I** | | | **B** | | |
| **Ratings per** | **IEC/EN 60664-1** | | | **IEC/EN 60664-1** | | |
| Overvoltage category | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - | 6 kV | - | - |
| Rated current | 25 A | - | - | 25 A | - | - |
| Note (rated current) | | | | 25 A for 3-pole load<br>20 A for 4- and 5-pole load | | |
| **Approvals per** | **UL 1977** | | | **UL 1977** | | |
| Rated voltage | 600 V | | | 600 V | | |
| Rated current | 23 A | | | 23 A | | |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Solder pin arrangement | 2 in-line solder pins/pole |
| Number of solder pins per potential | 2 |
| Solder pin length | 3.5 mm |
| Solder pin dimensions | 1 x 0.8 mm |
| Drilled hole diameter with tolerance | 1.5 $^{(-0.1 \ldots +0.1)}$ mm |
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | Locked: > 80 N |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Coding Page 371

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Pluggable PCB connector ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 5



### straight ▸ Female connector/socket




770-805

**General mains applications**

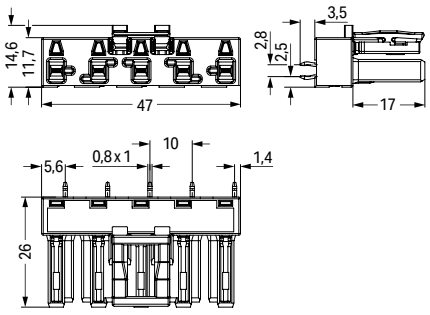
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | N ⏚ L1 L2 L3 | 770-805 | 50 |
| white | A | N ⏚ L1 L2 L3 | 770-825 | 50 |

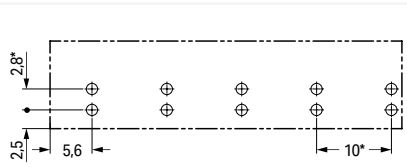
**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 4 5 | 770-845 | 50 |
| gray | B | N ⏚ L1 L2 L3 | 770-845/060-000 | 50 |
| gray | B | N PE 3 2 1 | 770-845/062-000 | 50 |
| gray | B | N ⏚ L 2L 1L | 770-845/064-000 | 50 |
| light green | B | 1 2 3 4 5 | 770-865 | 50 |
| light green | B | 1 ⏚ 2 3 4 | 770-865/073-000 | 50 |
| pink | B | 1 2 3 4 5 | 770-885 | 50 |
| pink | B | N ⏚ L I- I+ | 770-885/080-000 | 50 |
| pink | B | N ⏚ L - + | 770-885/082-000 | 50 |

**DALI, Lighting Management**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| blue | I | N ⏚ L DA- DA+ | 770-3105 | 50 |




* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

### straight ▸ Male connector/plug




770-815

**General mains applications**

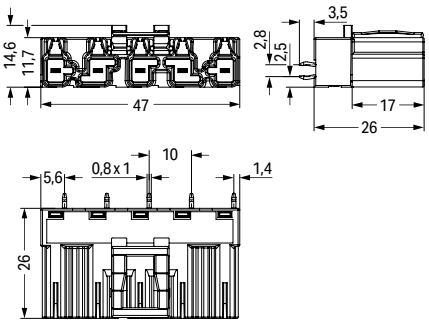
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | L3 L2 L1 ⏚ N | 770-815 | 50 |
| white | A | L3 L2 L1 ⏚ N | 770-835 | 50 |

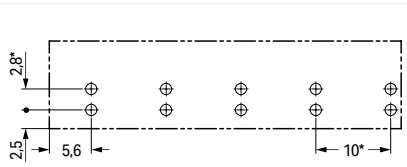
**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 5 4 3 2 1 | 770-855 | 50 |
| gray | B | L3 L2 L1 ⏚ N | 770-855/060-000 | 50 |
| gray | B | 1 2 3 PE N | 770-855/062-000 | 50 |
| gray | B | 1L 2L L ⏚ N | 770-855/064-000 | 50 |
| light green | B | 5 4 3 2 1 | 770-875 | 50 |
| light green | B | 4 3 2 ⏚ 1 | 770-875/073-000 | 50 |
| pink | B | 5 4 3 2 1 | 770-895 | 50 |
| pink | B | I+ I- L ⏚ N | 770-895/080-000 | 50 |
| pink | B | + - L ⏚ N | 770-895/082-000 | 50 |

**DALI, Lighting Management**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| blue | I | DA+ DA- L ⏚ N | 770-3115 | 50 |




* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

### Item-Specific Accessories



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |

### Item-Specific Accessories



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Pluggable PCB connector ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 5

2

### angled ▸ Female connector/socket



770-805/011-000

**General mains applications**

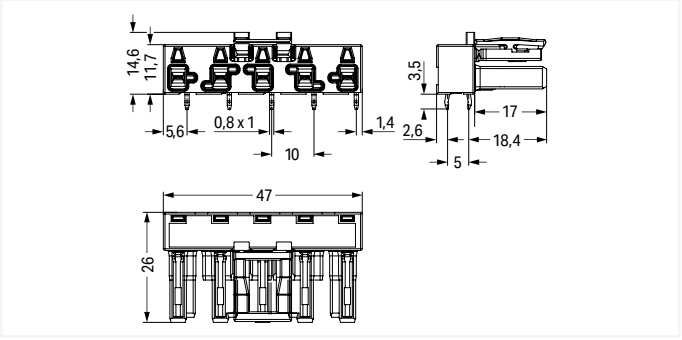
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | N ⏚ L1 L2 L3 | 770-805/011-000 | 50 |
| white | A | N ⏚ L1 L2 L3 | 770-825/011-000 | 50 |

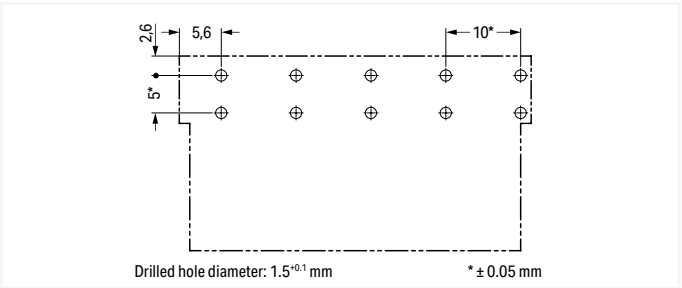
**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 1 2 3 4 5 | 770-845/011-000 | 50 |
| gray | B | N ⏚ L1 L2 L3 | 770-845/011-000/060-000 | 50 |
| gray | B | N PE 3 2 1 | 770-845/011-000/062-000 | 50 |
| gray | B | N ⏚ L 2L 1L | 770-845/011-000/064-000 | 50 |
| light green | B | 1 2 3 4 5 | 770-865/011-000 | 50 |
| pink | B | N ⏚ L I- I+ | 770-885/011-000/080-000 | 50 |
| pink | B | 1 2 3 4 5 | 770-885/011-000 | 50 |
| pink | B | N ⏚ L - + | 770-885/011-000/082-000 | 50 |

**DALI, Lighting Management**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| blue | I | N ⏚ L DA- DA+ | 770-3105/011-000 | 50 |




### Item-Specific Accessories



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |

### angled ▸ Male connector/plug



770-815/011-000

**General mains applications**

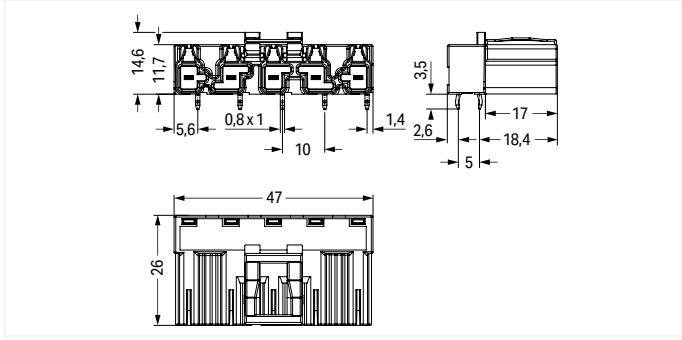
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| black | A | L3 L2 L1 ⏚ N | 770-815/011-000 | 50 |
| white | A | L3 L2 L1 ⏚ N | 770-835/011-000 | 50 |

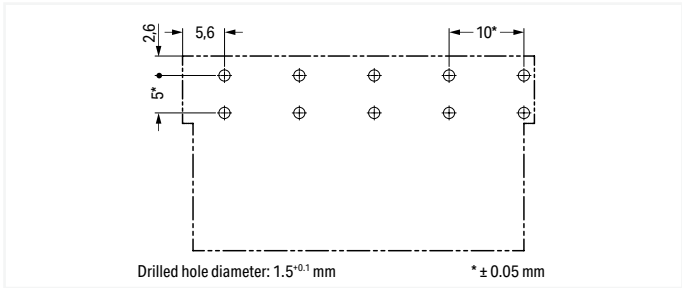
**Control technology**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | B | 5 4 3 2 1 | 770-855/011-000 | 50 |
| gray | B | L3 L2 L1 ⏚ N | 770-855/011-000/060-000 | 50 |
| gray | B | 1 2 3 PE N | 770-855/011-000/062-000 | 50 |
| gray | B | 1L 2L L ⏚ N | 770-855/011-000/064-000 | 50 |
| light green | B | 5 4 3 2 1 | 770-875/011-000 | 50 |
| light green | B | 4 3 2 ⏚ 1 | 770-875/011-000/073-000 | 50 |
| pink | B | I+ I- L ⏚ N | 770-895/011-000/080-000 | 50 |
| pink | B | 5 4 3 2 1 | 770-895/011-000 | 50 |
| pink | B | + - L ⏚ N | 770-895/011-000/082-000 | 50 |

**DALI, Lighting Management**

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| blue | I | DA+ DA- L ⏚ N | 770-3115/011-000 | 50 |




### Item-Specific Accessories



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
Pole number: 5



- Protected against mismating and maintenance-free
- Additional variable coding is possible.

| Electrical data | | | | | | |
|---|---|---|---|---|---|---|
| Coding | A; I; P; L | | | B | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - | 6 kV | - | - |
| Rated current | 25 A | - | - | 25 A | - | - |
| Note (rated current) | | | | 25 A for 3-pole load<br>20 A for 4- and 5-pole load | | |
| Approvals per | UL 1977 | | | UL 1977 | | |
| Rated voltage | 600 V | | | 600 V | | |
| Rated current | 23 A | | | 23 A | | |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | Approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | When locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

At least one snap-in connector **without** a locking lever is required on one side when connecting two lights directly via intermediate coupler.

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Tool Page 392

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 5

2

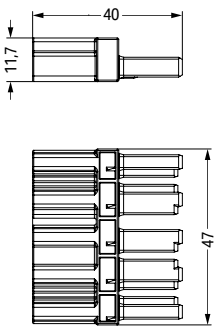
### Intermediate coupler



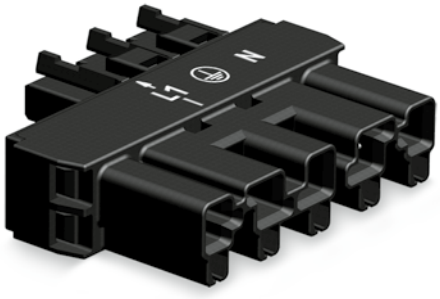
770-605

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | - | 770-605 | 100 |
| white | A | - | 770-655 | 100 |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| blue | I | - | 770-619 | 100 |



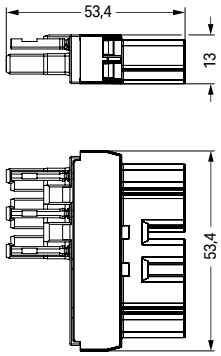

### 5- to 3-pole; L1 - L



770-901

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L1 - L ⏚ N | 770-901 | 50 |
| white | A | L1 - L ⏚ N | 770-951 | 50 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| red | P | L1 - L ⏚ N | 770-911 | 50 |




### Accessories; for all products on this page



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

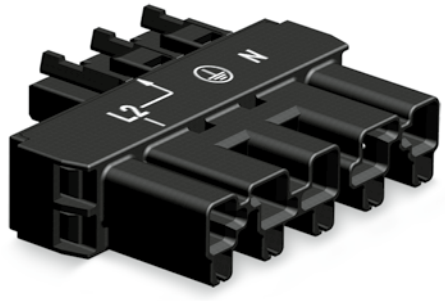
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 5

2

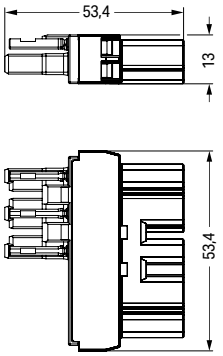
### Intermediate coupler

5- to 3-pole; L2 - L

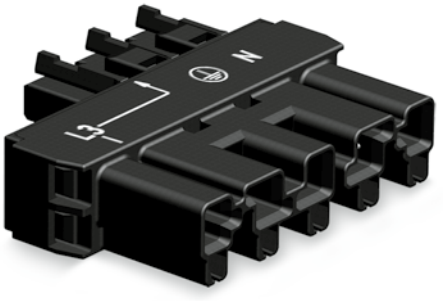



770-902

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L2 - L ⏚ N | 770-902 | 50 |
| white | A | L2 - L ⏚ N | 770-952 | 50 |
| **EDV (UPS)** | | | | |
| Color | Coding | Marking | Item no. | PU |
| red | P | L2 - L ⏚ N | 770-912 | 50 |

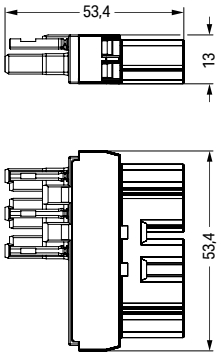



5- to 3-pole; L3 - L




770-903

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L3 - L ⏚ N | 770-903 | 50 |
| white | A | L3 - L ⏚ N | 770-953 | 50 |
| **EDV (UPS)** | | | | |
| Color | Coding | Marking | Item no. | PU |
| red | P | L3 - L ⏚ N | 770-913 | 50 |




### Accessories; for all products on this page



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 5

Linect® T-connector

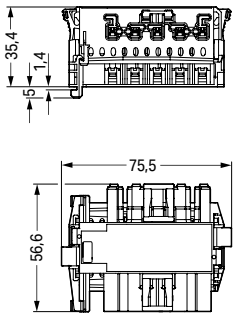



770-6225

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| white | A | N ⏚ L1 L2 L3 | 770-6225 | 20 |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| blue | I | N ⏚ L DA- DA+ | 770-7105 | 20 |

| Emergency power supply | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| white | L | N ⏚ L N' L' | 770-7505 | 20 |




## Accessories; for all products on this page



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 5

T-distribution connector

Number of locking levers: 2



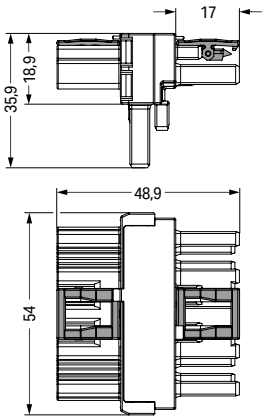

770-621

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L3 L2 L1 ⏚ N | 770-621 | 50 |
| white | A | L3 L2 L1 ⏚ N | 770-671 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 5 4 3 2 1 | 770-1641 | 50 |
| light green | B | 5 4 3 2 1 | 770-1642 | 50 |
| pink | B | 5 4 3 2 1 | 770-1643 | 50 |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| blue | I | DA+ DA- L ⏚ N | 770-617 | 50 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| red | P | L3 L2 L1 ⏚ N | 770-921 | 50 |




for flying leads ▸ Number of locking levers: 3



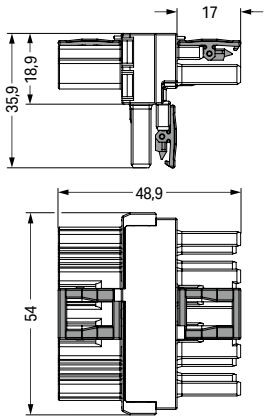

770-622

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L3 L2 L1 ⏚ N | 770-622 | 50 |
| white | A | L3 L2 L1 ⏚ N | 770-672 | 50 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 5 4 3 2 1 | 770-1741 | 50 |
| light green | B | 5 4 3 2 1 | 770-1742 | 50 |
| pink | B | 5 4 3 2 1 | 770-1743 | 50 |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| blue | I | DA+ DA- L ⏚ N | 770-620 | 50 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| red | P | L3 L2 L1 ⏚ N | 770-922 | 50 |




**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Mounting carrier; for T-distribution connectors; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| silver-colored | 770-354 | 50 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
## Pole number: 5

h-distribution connector, outputs on both sides

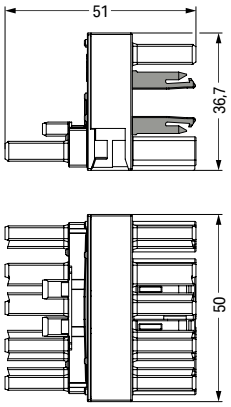
Number of locking levers: 2



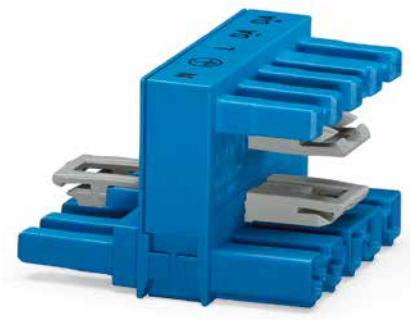
770-992

DALI, Lighting Management

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| blue | I | N ⏚ L DA- DA+ | 770-992 | 25 |



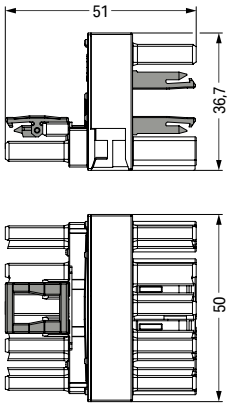

for flying leads ▸ Number of locking levers: 3



770-993

DALI, Lighting Management

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| blue | I | N ⏚ L DA- DA+ | 770-993 | 25 |




2

Accessories; for all products on this page



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |



Mounting plate; for distribution connectors (except T-distribution connectors); 5-pole

| Color | Item no. | PU |
|---|---|---|
| black | 770-625 | 25 |
| white | 770-675 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 5

Distribution connector, 3-way ▶ Number of locking levers: 4



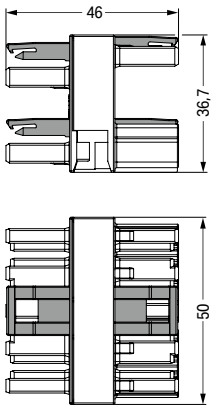
770-609

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N ⏚ L1 L2 L3 | 770-609 | 25 |
| white | A | N ⏚ L1 L2 L3 | 770-659 | 25 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | 1 2 3 4 5 | 770-1744 | 25 |
| light green | B | 1 2 3 4 5 | 770-1745 | 25 |
| pink | B | 1 2 3 4 5 | 770-1746 | 25 |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| blue | I | N ⏚ L DA- DA+ | 770-618 | 25 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| red | P | N ⏚ L1 L2 L3 | 770-909 | 25 |




**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |



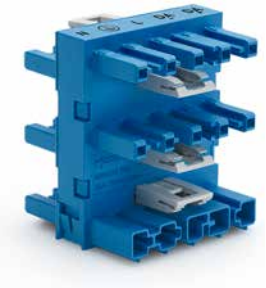
Mounting plate; for distribution connectors (except T-distribution connectors); 5-pole

| Color | Item no. | PU |
|---|---|---|
| black | 770-625 | 25 |
| white | 770-675 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 5

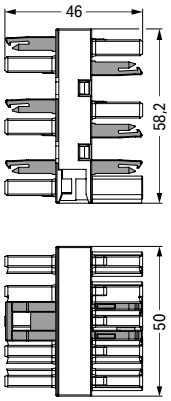
Distribution connector, 5-way ▶ Number of locking levers: 6



770-1947

DALI, Lighting Management

| Order (color) | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| 20030 | I | N ⏚ L DA- DA+ | 770-1947 | 20 |




**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |



Mounting plate; for distribution connectors (except T-distribution connectors); 5-pole

| Color | Item no. | PU |
|---|---|---|
| black | 770-625 | 25 |
| white | 770-675 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 5

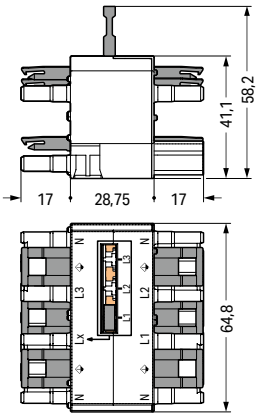
Three-phase to single-phase distribution connector ▶ Number of locking levers: 6



770-640

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | - | 770-640 | 10 |
| white | A | - | 770-690 | 10 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| red | P | - | 770-940 | 10 |






Movable jumper



Jumper pushed down, flush with the housing (position L1)



Additional h-distribution connectors double L1 and L3.
This results in the following connection option:
L1/L1/L2/L2/L3/L3 with jumper in position L2
Notice: h-distribution connectors can only be plugged on L1 and L3.

**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| yellow | 770-360 | 100 |



Mounting plate; for distribution connectors (except T-distribution connectors); 5-pole

| Color | Item no. | PU |
|---|---|---|
| black | 770-625 | 25 |
| white | 770-675 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® MIDI ▶ 770 Series
## Pole number: 5

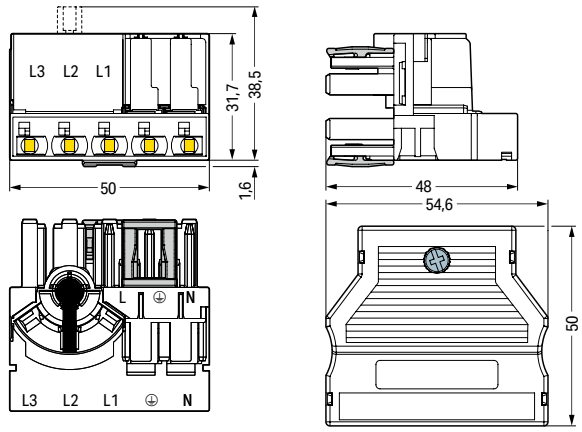
Distribution connector with phase selection ▶ Number of locking levers: 2



770-611

General mains applications

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | N ⏚ L1 L2 L3 | 770-611 | 10 |
| ○ white | A | N ⏚ L1 L2 L3 | 770-661 | 10 |







Lift jumper out of delivery position (L2) using a screwdriver and move it into the desired position.




Push down jumper in its new position (picture shows L3).



The 5-pole energy circuit can be extended using pluggable cable assemblies.



Plugging a 3-pole tap-off cable.

**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-201 | 100 |
| ○ white | 770-221 | 100 |



Lockout cap; for plugs; separable; Pole number: 5

| Color | Item no. | PU |
|---|---|---|
| ● yellow | 770-360 | 100 |



Mounting plate; for distribution connectors (except T-distribution connectors); 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-625 | 25 |
| ○ white | 770-675 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

## Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$



- Protected against mismating and maintenance-free
- Additional variable coding is possible.

| Electrical data | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Coding | A; B; I; L; P | | | A; I; L; P | | | A | | |
| Wire cross-section | 1.5 mm² | | | 2.5 mm² | | | 4 mm² | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 400 V | - | - | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - | 6 kV | - | - | 6 kV | - | - |
| Rated current | 16 A | - | - | 20 A | - | - | 25 A | - | - |

| Electrical data | | | | | | |
|---|---|---|---|---|---|---|
| Coding | B | | | I | | |
| Wire cross-section | 1 mm² | | | 1.5 mm² | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - | 250 V | - | - |
| Rated surge voltage | 6 kV | - | - | 4 kV | - | - |
| Rated current | 10 A | - | - | 16 A | - | - |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| Fire class per EN 50575 | $E_{ca}$ |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | when unlocked: approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | when locked: > 80N |
| Protection type | IP20 |
| Note on protection type | When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

Cables with a different fire class can be found in the eSHOP.

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

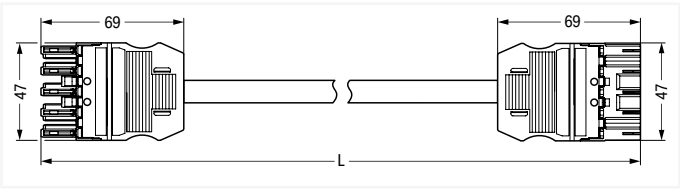
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).


| | |
|---|---|
| Cover | Page 372 |
| Locking system | Page 371 |
| Marking | Page 397 |
| See technical section for further information | |
| Approvals and corresponding ratings, visit www.wago.com | |

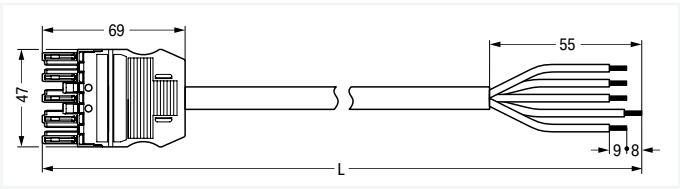
# Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: $E_{ca}$ ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ Sheathed cable diameter: 9.3 … 11.6 mm ▸ H05VV-F 5G1.5 ▸ General mains applications

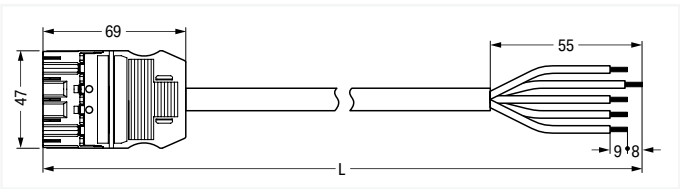









Interconnecting cable ▸ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9995/006-101 | 771-9995/006-102 | | 1 |
| 2 m | 771-9995/006-201 | 771-9995/006-202 | | 1 |
| 3 m | 771-9995/006-301 | 771-9995/006-302 | | 1 |
| 4 m | 771-9995/006-401 | 771-9995/006-402 | | 1 |
| 5 m | 771-9995/006-501 | 771-9995/006-502 | | 1 |
| 6 m | 771-9995/006-601 | 771-9995/006-602 | | 1 |
| 7 m | 771-9995/006-701 | 771-9995/006-702 | | 1 |
| 8 m | 771-9995/006-801 | 771-9995/006-802 | | 1 |

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9995/106-101 | 771-9995/106-102 | | 1 |
| 2 m | 771-9995/106-201 | 771-9995/106-202 | | 1 |
| 3 m | 771-9995/106-301 | 771-9995/106-302 | | 1 |
| 4 m | 771-9995/106-401 | 771-9995/106-402 | | 1 |
| 5 m | 771-9995/106-501 | 771-9995/106-502 | | 1 |
| 6 m | 771-9995/106-601 | 771-9995/106-602 | | 1 |
| 7 m | 771-9995/106-701 | 771-9995/106-702 | | 1 |
| 8 m | 771-9995/106-801 | 771-9995/106-802 | | 1 |

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9995/206-101 | 771-9995/206-102 | | 1 |
| 2 m | 771-9995/206-201 | 771-9995/206-202 | | 1 |
| 3 m | 771-9995/206-301 | 771-9995/206-302 | | 1 |
| 4 m | 771-9995/206-401 | 771-9995/206-402 | | 1 |
| 5 m | 771-9995/206-501 | 771-9995/206-502 | | 1 |
| 6 m | 771-9995/206-601 | 771-9995/206-602 | | 1 |
| 7 m | 771-9995/206-701 | 771-9995/206-702 | | 1 |
| 8 m | 771-9995/206-801 | 771-9995/206-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

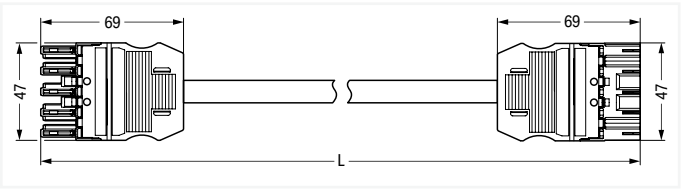
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

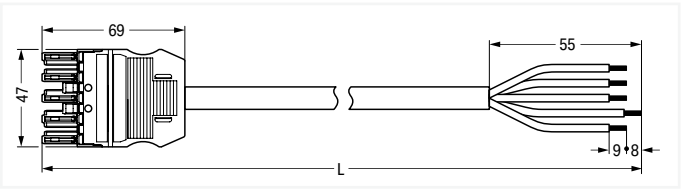
Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 1.5 mm² ▶ Marking: N ⏚ L1 L2 L3 ▶ Halogen-free ▶ Sheathed cable diameter: 9.3 … 11.6 mm ▶ H05Z1Z1-F 5G1.5 ▶ General mains applications



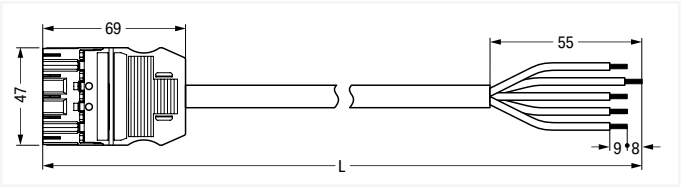









Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9995/016-101 | 771-9995/016-102 | | 1 |
| 2 m | 771-9995/016-201 | 771-9995/016-202 | | 1 |
| 3 m | 771-9995/016-301 | 771-9995/016-302 | | 1 |
| 4 m | 771-9995/016-401 | 771-9995/016-402 | | 1 |
| 5 m | 771-9995/016-501 | 771-9995/016-502 | | 1 |
| 6 m | 771-9995/016-601 | 771-9995/016-602 | | 1 |
| 7 m | 771-9995/016-701 | 771-9995/016-702 | | 1 |
| 8 m | 771-9995/016-801 | 771-9995/016-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9995/116-101 | 771-9995/116-102 | | 1 |
| 2 m | 771-9995/116-201 | 771-9995/116-202 | | 1 |
| 3 m | 771-9995/116-301 | 771-9995/116-302 | | 1 |
| 4 m | 771-9995/116-401 | 771-9995/116-402 | | 1 |
| 5 m | 771-9995/116-501 | 771-9995/116-502 | | 1 |
| 6 m | 771-9995/116-601 | 771-9995/116-602 | | 1 |
| 7 m | 771-9995/116-701 | 771-9995/116-702 | | 1 |
| 8 m | 771-9995/116-801 | 771-9995/116-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9995/216-101 | 771-9995/216-102 | | 1 |
| 2 m | 771-9995/216-201 | 771-9995/216-202 | | 1 |
| 3 m | 771-9995/216-301 | 771-9995/216-302 | | 1 |
| 4 m | 771-9995/216-401 | 771-9995/216-402 | | 1 |
| 5 m | 771-9995/216-501 | 771-9995/216-502 | | 1 |
| 6 m | 771-9995/216-601 | 771-9995/216-602 | | 1 |
| 7 m | 771-9995/216-701 | 771-9995/216-702 | | 1 |
| 8 m | 771-9995/216-801 | 771-9995/216-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

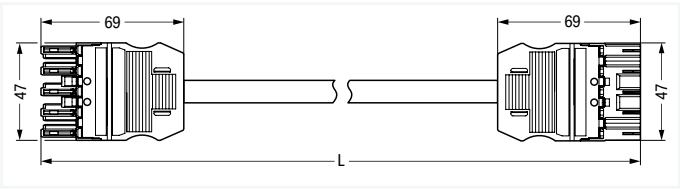
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

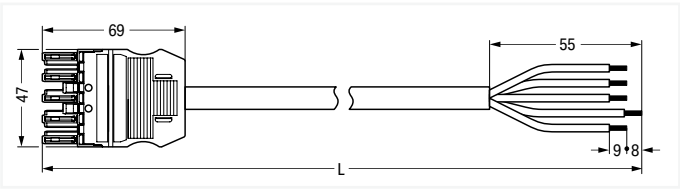
# Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: $E_{ca}$ ▸ Coding: A ▸ 2.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ Sheathed cable diameter: 11.2 … 13.9 mm ▸ H05VV-F 5G2.5 ▸ General mains applications

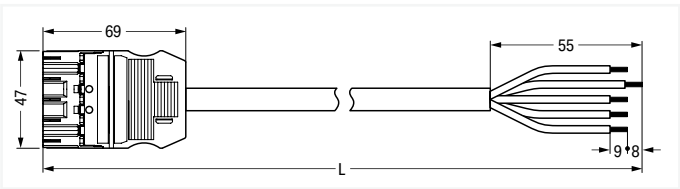









Interconnecting cable ▸ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9995/007-101 | 771-9995/007-102 | | 1 |
| 2 m | 771-9995/007-201 | 771-9995/007-202 | | 1 |
| 3 m | 771-9995/007-301 | 771-9995/007-302 | | 1 |
| 4 m | 771-9995/007-401 | 771-9995/007-402 | | 1 |
| 5 m | 771-9995/007-501 | 771-9995/007-502 | | 1 |
| 6 m | 771-9995/007-601 | 771-9995/007-602 | | 1 |
| 7 m | 771-9995/007-701 | 771-9995/007-702 | | 1 |
| 8 m | 771-9995/007-801 | 771-9995/007-802 | | 1 |

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9995/107-101 | 771-9995/107-102 | | 1 |
| 2 m | 771-9995/107-201 | 771-9995/107-202 | | 1 |
| 3 m | 771-9995/107-301 | 771-9995/107-302 | | 1 |
| 4 m | 771-9995/107-401 | 771-9995/107-402 | | 1 |
| 5 m | 771-9995/107-501 | 771-9995/107-502 | | 1 |
| 6 m | 771-9995/107-601 | 771-9995/107-602 | | 1 |
| 7 m | 771-9995/107-701 | 771-9995/107-702 | | 1 |
| 8 m | 771-9995/107-801 | 771-9995/107-802 | | 1 |

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9995/207-101 | 771-9995/207-102 | | 1 |
| 2 m | 771-9995/207-201 | 771-9995/207-202 | | 1 |
| 3 m | 771-9995/207-301 | 771-9995/207-302 | | 1 |
| 4 m | 771-9995/207-401 | 771-9995/207-402 | | 1 |
| 5 m | 771-9995/207-501 | 771-9995/207-502 | | 1 |
| 6 m | 771-9995/207-601 | 771-9995/207-602 | | 1 |
| 7 m | 771-9995/207-701 | 771-9995/207-702 | | 1 |
| 8 m | 771-9995/207-801 | 771-9995/207-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

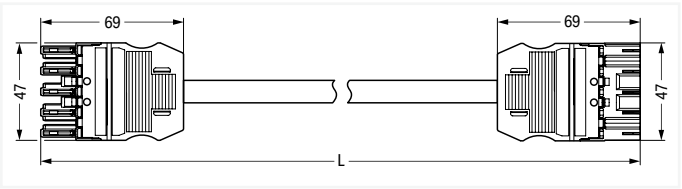
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

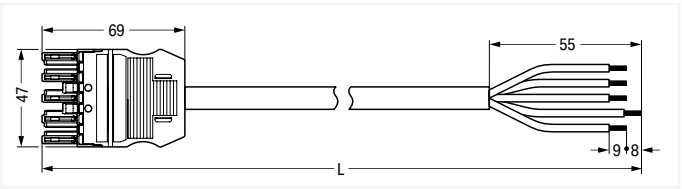
Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 2.5 mm² ▶ Marking: N ⏚ L1 L2 L3 ▶ Halogen-free ▶ Sheathed cable diameter: 11.2 … 13.9 mm ▶ H05Z1Z1-F 5G2.5 ▶ General mains applications



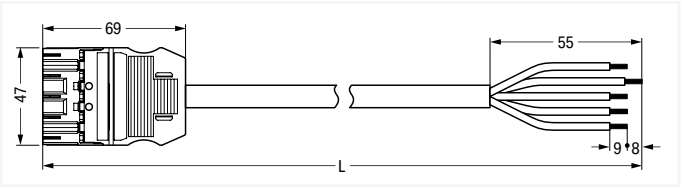









Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9995/017-101 | 771-9995/017-102 | | 1 |
| 2 m | 771-9995/017-201 | 771-9995/017-202 | | 1 |
| 3 m | 771-9995/017-301 | 771-9995/017-302 | | 1 |
| 4 m | 771-9995/017-401 | 771-9995/017-402 | | 1 |
| 5 m | 771-9995/017-501 | 771-9995/017-502 | | 1 |
| 6 m | 771-9995/017-601 | 771-9995/017-602 | | 1 |
| 7 m | 771-9995/017-701 | 771-9995/017-702 | | 1 |
| 8 m | 771-9995/017-801 | 771-9995/017-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9995/117-101 | 771-9995/117-102 | | 1 |
| 2 m | 771-9995/117-201 | 771-9995/117-202 | | 1 |
| 3 m | 771-9995/117-301 | 771-9995/117-302 | | 1 |
| 4 m | 771-9995/117-401 | 771-9995/117-402 | | 1 |
| 5 m | 771-9995/117-501 | 771-9995/117-502 | | 1 |
| 6 m | 771-9995/117-601 | 771-9995/117-602 | | 1 |
| 7 m | 771-9995/117-701 | 771-9995/117-702 | | 1 |
| 8 m | 771-9995/117-801 | 771-9995/117-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-9995/217-101 | 771-9995/217-102 | | 1 |
| 2 m | 771-9995/217-201 | 771-9995/217-202 | | 1 |
| 3 m | 771-9995/217-301 | 771-9995/217-302 | | 1 |
| 4 m | 771-9995/217-401 | 771-9995/217-402 | | 1 |
| 5 m | 771-9995/217-501 | 771-9995/217-502 | | 1 |
| 6 m | 771-9995/217-601 | 771-9995/217-602 | | 1 |
| 7 m | 771-9995/217-701 | 771-9995/217-702 | | 1 |
| 8 m | 771-9995/217-801 | 771-9995/217-802 | | 1 |

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



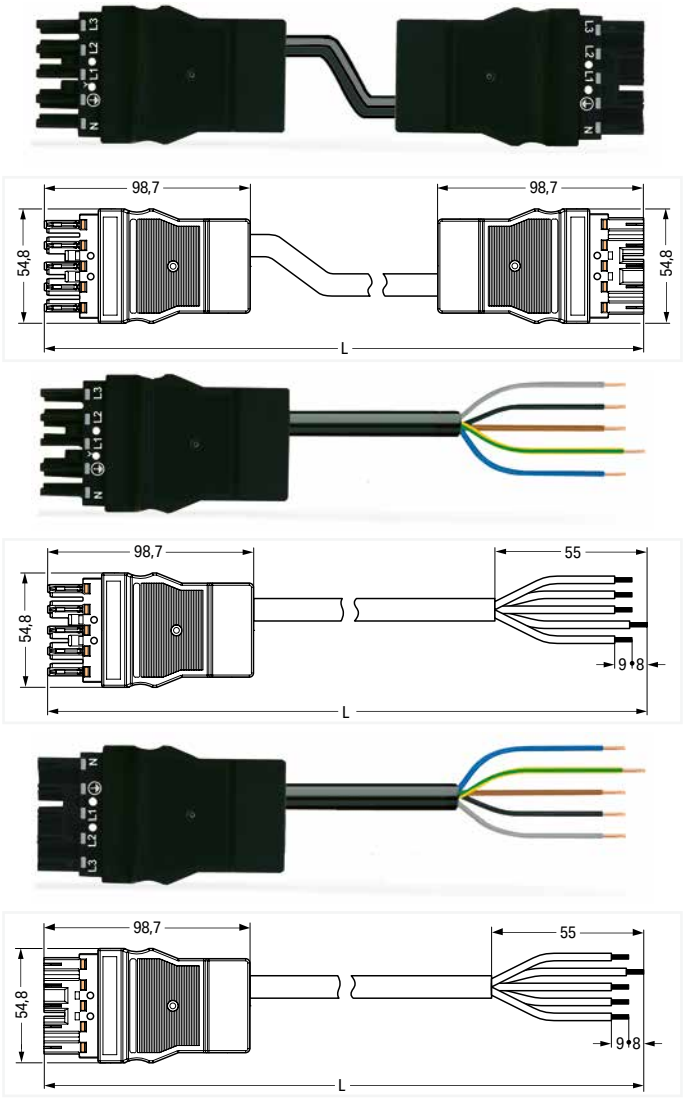
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 4 mm² ▶ Marking: N ⏚ L1 L2 L3 ▶ PVC ▶ Sheathed cable diameter: 13 … 16.1 mm ▶ H05VV-F 5G4 ▶ General mains applications




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | | | |
| 1 m | 771-8995/008-101 | | | 1 |
| 2 m | 771-8995/008-201 | | | 1 |
| 3 m | 771-8995/008-301 | | | 1 |
| 4 m | 771-8995/008-401 | | | 1 |
| 5 m | 771-8995/008-501 | | | 1 |
| 6 m | 771-8995/008-601 | | | 1 |
| 7 m | 771-8995/008-701 | | | 1 |
| 8 m | 771-8995/008-801 | | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | | | |
| 1 m | 771-8995/108-101 | | | 1 |
| 2 m | 771-8995/108-201 | | | 1 |
| 3 m | 771-8995/108-301 | | | 1 |
| 4 m | 771-8995/108-401 | | | 1 |
| 5 m | 771-8995/108-501 | | | 1 |
| 6 m | 771-8995/108-601 | | | 1 |
| 7 m | 771-8995/108-701 | | | 1 |
| 8 m | 771-8995/108-801 | | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | | | |
| 1 m | 771-8995/208-101 | | | 1 |
| 2 m | 771-8995/208-201 | | | 1 |
| 3 m | 771-8995/208-301 | | | 1 |
| 4 m | 771-8995/208-401 | | | 1 |
| 5 m | 771-8995/208-501 | | | 1 |
| 6 m | 771-8995/208-601 | | | 1 |
| 7 m | 771-8995/208-701 | | | 1 |
| 8 m | 771-8995/208-801 | | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

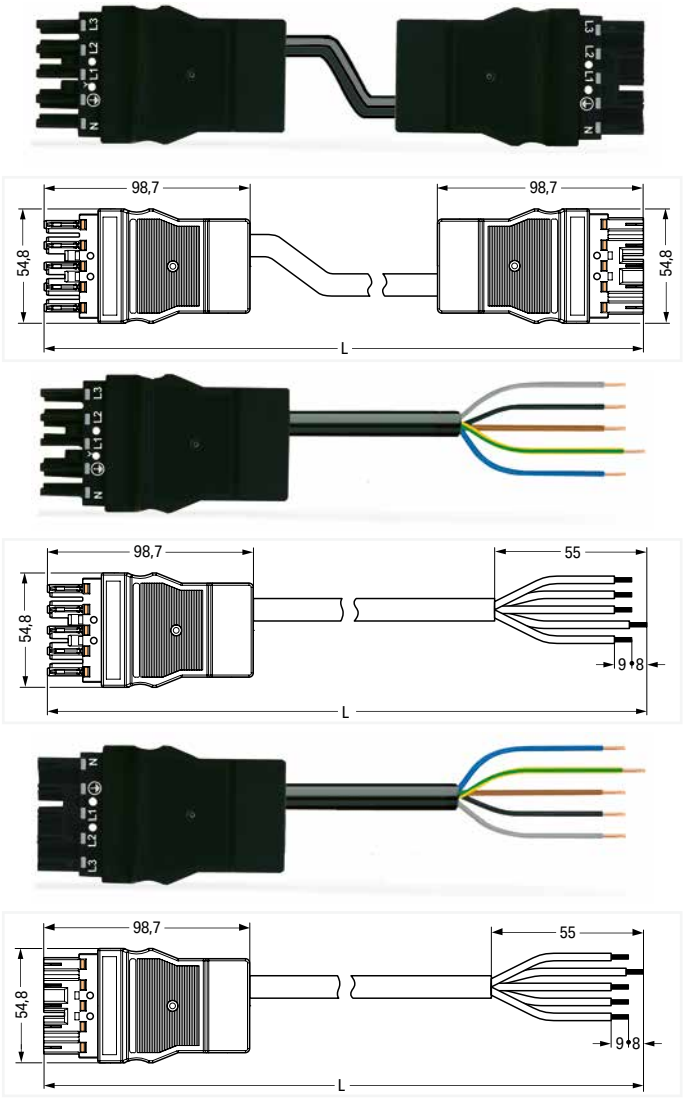
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 4 mm² ▶ Marking: N ⏚ L1 L2 L3 ▶ Halogen-free ▶ Sheathed cable diameter: 13 … 16.1 mm ▶ H05Z1Z1-F 5G4 ▶ General mains applications






Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | | | |
| 1 m | 771-8995/018-101 | | | 1 |
| 2 m | 771-8995/018-201 | | | 1 |
| 3 m | 771-8995/018-301 | | | 1 |
| 4 m | 771-8995/018-401 | | | 1 |
| 5 m | 771-8995/018-501 | | | 1 |
| 6 m | 771-8995/018-601 | | | 1 |
| 7 m | 771-8995/018-701 | | | 1 |
| 8 m | 771-8995/018-801 | | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | | | |
| 1 m | 771-8995/118-101 | | | 1 |
| 2 m | 771-8995/118-201 | | | 1 |
| 3 m | 771-8995/118-301 | | | 1 |
| 4 m | 771-8995/118-401 | | | 1 |
| 5 m | 771-8995/118-501 | | | 1 |
| 6 m | 771-8995/118-601 | | | 1 |
| 7 m | 771-8995/118-701 | | | 1 |
| 8 m | 771-8995/118-801 | | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | | | |
| 1 m | 771-8995/218-101 | | | 1 |
| 2 m | 771-8995/218-201 | | | 1 |
| 3 m | 771-8995/218-301 | | | 1 |
| 4 m | 771-8995/218-401 | | | 1 |
| 5 m | 771-8995/218-501 | | | 1 |
| 6 m | 771-8995/218-601 | | | 1 |
| 7 m | 771-8995/218-701 | | | 1 |
| 8 m | 771-8995/218-801 | | | 1 |

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

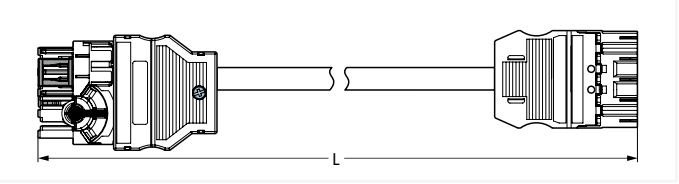
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 2.5 mm² ▶ Marking: N ⏚ L1 L2 L3 ▶ PVC ▶ Sheathed cable diameter: 11.2 … 13.9 mm ▶ H05VV-F 5G2.5 ▶ Strip length (outer insulation): 55 mm ▶ General mains applications

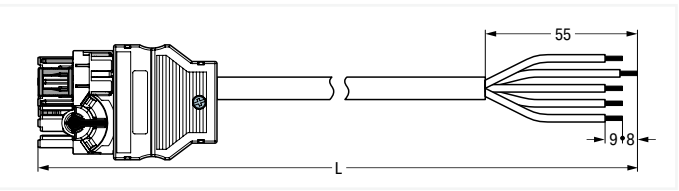





Interconnecting cable ▶ Distribution connector with phase selection - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-8965/007-101 | 771-8965/007-102 | | 1 |
| 2 m | 771-8965/007-201 | 771-8965/007-202 | | 1 |






Connecting cable ▶ Distribution connector with phase selection - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-8965/107-101 | 771-8965/107-102 | | 1 |
| 2 m | 771-8965/107-201 | 771-8965/107-202 | | 1 |




Lift jumper out of delivery position (L2) using a screwdriver and move it into the desired position.



The 5-pole energy circuit can be extended using pluggable cable assemblies.




Push down jumper in its new position (picture shows L3).



Plugging a 3-pole tap-off cable.

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |

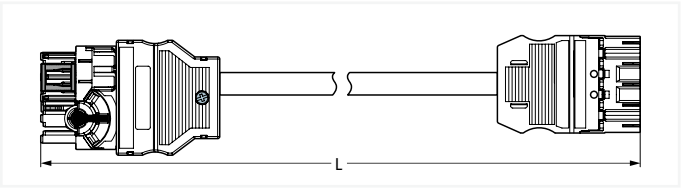
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

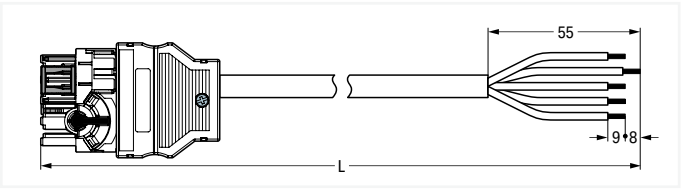
Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 2.5 mm² ▶ Marking: N ⏚ L1 L2 L3 ▶ Halogen-free ▶ Sheathed cable diameter: 11.2 … 13.9 mm ▶ H05Z1Z1-F 5G2.5 ▶ Strip length (outer insulation): 55 mm ▶ General mains applications










Interconnecting cable ▶ Distribution connector with phase selection - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-8965/017-101 | 771-8965/017-102 | | 1 |
| 2 m | 771-8965/017-201 | 771-8965/017-202 | | 1 |

Connecting cable ▶ Distribution connector with phase selection - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 771-8965/117-101 | 771-8965/117-102 | | 1 |
| 2 m | 771-8965/117-201 | 771-8965/117-202 | | 1 |




Lift jumper out of delivery position (L2) using a screwdriver and move it into the desired position.



The 5-pole energy circuit can be extended using pluggable cable assemblies.




Push down jumper in its new position (picture shows L3).



Plugging a 3-pole tap-off cable.

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



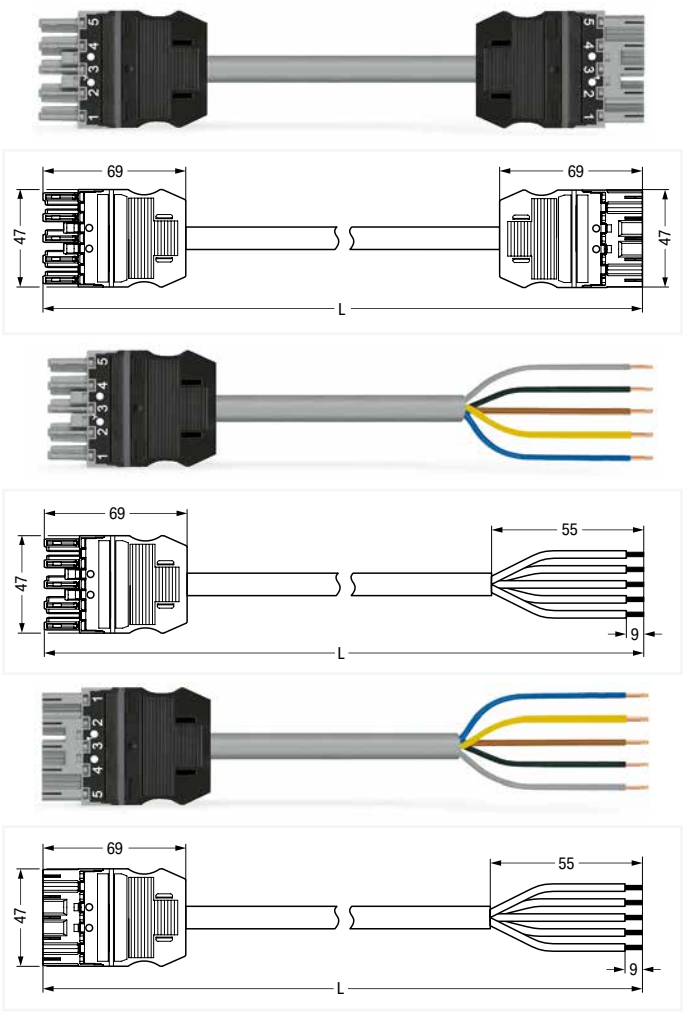
Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: $E_{ca}$ ▸ Coding: B ▸ 1 mm² ▸ Marking: 1 2 3 4 5 ▸ PVC ▸ Sheathed cable diameter: 7.8 … 9.3 mm ▸ Control line 5 x 1 ▸ Control technology




Interconnecting cable ▸ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-9995/005-103 | 771-9995/005-105 | 771-9995/005-107 | 1 |
| 2 m | 771-9995/005-203 | 771-9995/005-205 | 771-9995/005-207 | 1 |
| 3 m | 771-9995/005-303 | 771-9995/005-305 | 771-9995/005-307 | 1 |
| 4 m | 771-9995/005-403 | 771-9995/005-405 | 771-9995/005-407 | 1 |
| 5 m | 771-9995/005-503 | 771-9995/005-505 | 771-9995/005-507 | 1 |
| 6 m | 771-9995/005-603 | 771-9995/005-605 | 771-9995/005-607 | 1 |
| 7 m | 771-9995/005-703 | 771-9995/005-705 | 771-9995/005-707 | 1 |
| 8 m | 771-9995/005-803 | 771-9995/005-805 | 771-9995/005-807 | 1 |

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-9995/105-103 | 771-9995/105-105 | 771-9995/105-107 | 1 |
| 2 m | 771-9995/105-203 | 771-9995/105-205 | 771-9995/105-207 | 1 |
| 3 m | 771-9995/105-303 | 771-9995/105-305 | 771-9995/105-307 | 1 |
| 4 m | 771-9995/105-403 | 771-9995/105-405 | 771-9995/105-407 | 1 |
| 5 m | 771-9995/105-503 | 771-9995/105-505 | 771-9995/105-507 | 1 |
| 6 m | 771-9995/105-603 | 771-9995/105-605 | 771-9995/105-607 | 1 |
| 7 m | 771-9995/105-703 | 771-9995/105-705 | 771-9995/105-707 | 1 |
| 8 m | 771-9995/105-803 | 771-9995/105-805 | 771-9995/105-807 | 1 |

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-9995/205-103 | 771-9995/205-105 | 771-9995/205-107 | 1 |
| 2 m | 771-9995/205-203 | 771-9995/205-205 | 771-9995/205-207 | 1 |
| 3 m | 771-9995/205-303 | 771-9995/205-305 | 771-9995/205-307 | 1 |
| 4 m | 771-9995/205-403 | 771-9995/205-405 | 771-9995/205-407 | 1 |
| 5 m | 771-9995/205-503 | 771-9995/205-505 | 771-9995/205-507 | 1 |
| 6 m | 771-9995/205-603 | 771-9995/205-605 | 771-9995/205-607 | 1 |
| 7 m | 771-9995/205-703 | 771-9995/205-705 | 771-9995/205-707 | 1 |
| 8 m | 771-9995/205-803 | 771-9995/205-805 | 771-9995/205-807 | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

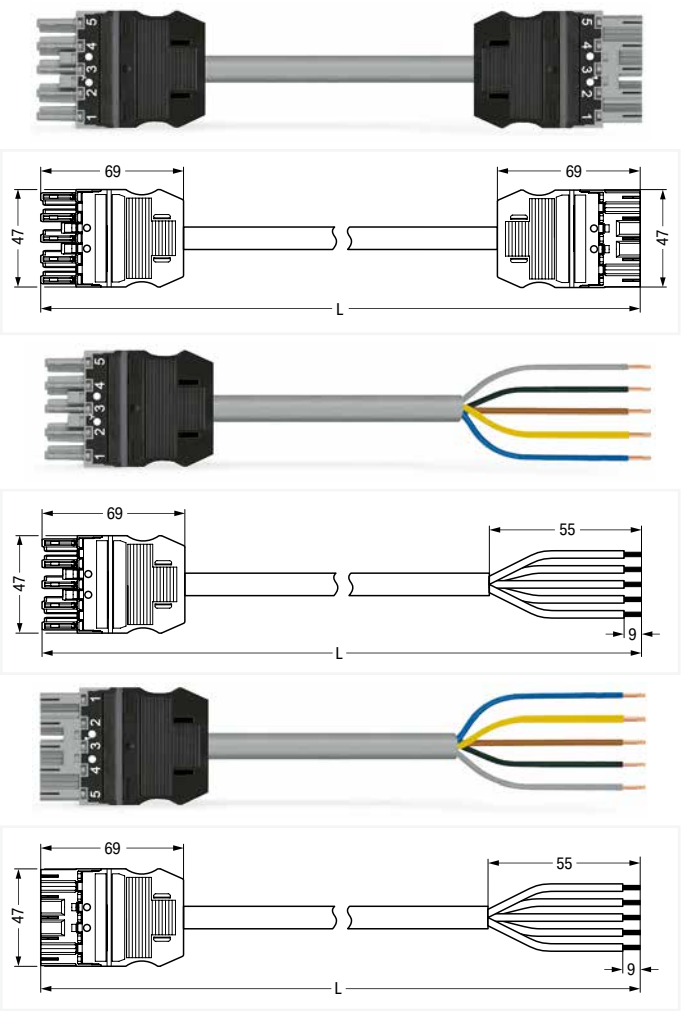
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: B ▶ 1.5 mm² ▶ Marking: 1 2 3 4 5 ▶ PVC ▶ Sheathed cable diameter: 9.3 … 11.6 mm ▶ Control line 5 x 1.5 ▶ Control technology






Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-9995/006-103 | 771-9995/006-105 | 771-9995/006-107 | 1 |
| 2 m | 771-9995/006-203 | 771-9995/006-205 | 771-9995/006-207 | 1 |
| 3 m | 771-9995/006-303 | 771-9995/006-305 | 771-9995/006-307 | 1 |
| 4 m | 771-9995/006-403 | 771-9995/006-405 | 771-9995/006-407 | 1 |
| 5 m | 771-9995/006-503 | 771-9995/006-505 | 771-9995/006-507 | 1 |
| 6 m | 771-9995/006-603 | 771-9995/006-605 | 771-9995/006-607 | 1 |
| 7 m | 771-9995/006-703 | 771-9995/006-705 | 771-9995/006-707 | 1 |
| 8 m | 771-9995/006-803 | 771-9995/006-805 | 771-9995/006-807 | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-9995/106-103 | 771-9995/106-105 | 771-9995/106-107 | 1 |
| 2 m | 771-9995/106-203 | 771-9995/106-205 | 771-9995/106-207 | 1 |
| 3 m | 771-9995/106-303 | 771-9995/106-305 | 771-9995/106-307 | 1 |
| 4 m | 771-9995/106-403 | 771-9995/106-405 | 771-9995/106-407 | 1 |
| 5 m | 771-9995/106-503 | 771-9995/106-505 | 771-9995/106-507 | 1 |
| 6 m | 771-9995/106-603 | 771-9995/106-605 | 771-9995/106-607 | 1 |
| 7 m | 771-9995/106-703 | 771-9995/106-705 | 771-9995/106-707 | 1 |
| 8 m | 771-9995/106-803 | 771-9995/106-805 | 771-9995/106-807 | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | gray / black | light green / black | pink / black | |
| 1 m | 771-9995/206-103 | 771-9995/206-105 | 771-9995/206-107 | 1 |
| 2 m | 771-9995/206-203 | 771-9995/206-205 | 771-9995/206-207 | 1 |
| 3 m | 771-9995/206-303 | 771-9995/206-305 | 771-9995/206-307 | 1 |
| 4 m | 771-9995/206-403 | 771-9995/206-405 | 771-9995/206-407 | 1 |
| 5 m | 771-9995/206-503 | 771-9995/206-505 | 771-9995/206-507 | 1 |
| 6 m | 771-9995/206-603 | 771-9995/206-605 | 771-9995/206-607 | 1 |
| 7 m | 771-9995/206-703 | 771-9995/206-705 | 771-9995/206-707 | 1 |
| 8 m | 771-9995/206-803 | 771-9995/206-805 | 771-9995/206-807 | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



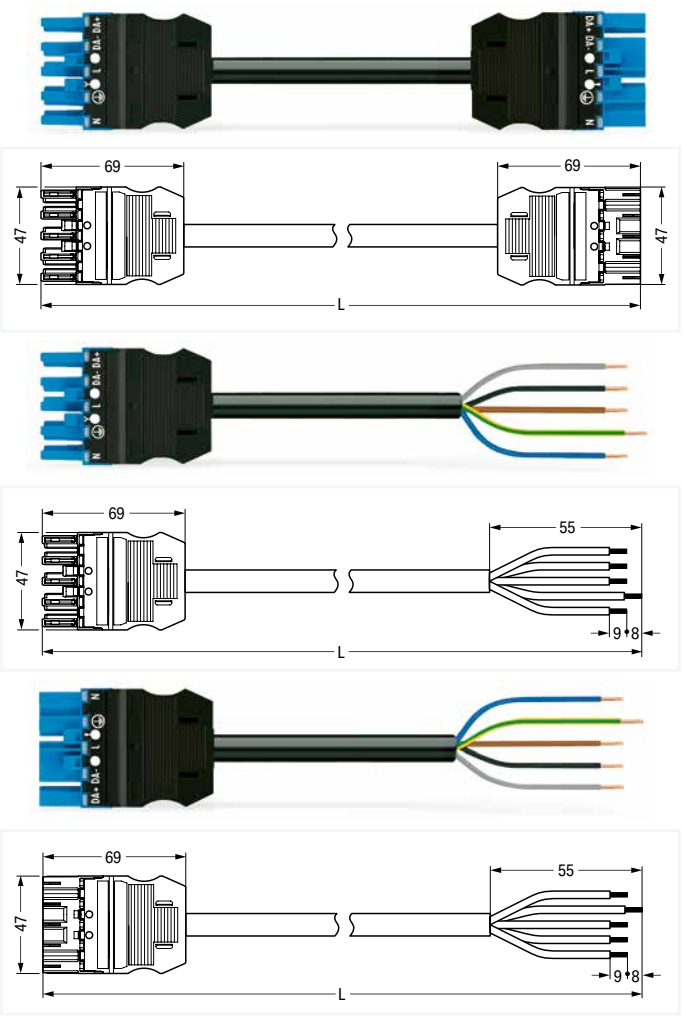
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: I ▶ 1.5 mm² ▶ Marking: N ⏚ L DA- DA+ ▶ PVC ▶ Sheathed cable diameter: 9.3 … 11.6 mm ▶ H05VV-F 5G1.5 ▶ DALI, Lighting Management




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 771-9985/006-101 | 771-9985/006-102 | | 1 |
| 2 m | 771-9985/006-201 | 771-9985/006-202 | | 1 |
| 3 m | 771-9985/006-301 | 771-9985/006-302 | | 1 |
| 4 m | 771-9985/006-401 | 771-9985/006-402 | | 1 |
| 5 m | 771-9985/006-501 | 771-9985/006-502 | | 1 |
| 6 m | 771-9985/006-601 | 771-9985/006-602 | | 1 |
| 7 m | 771-9985/006-701 | 771-9985/006-702 | | 1 |
| 8 m | 771-9985/006-801 | 771-9985/006-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 771-9985/106-101 | 771-9985/106-102 | | 1 |
| 2 m | 771-9985/106-201 | 771-9985/106-202 | | 1 |
| 3 m | 771-9985/106-301 | 771-9985/106-302 | | 1 |
| 4 m | 771-9985/106-401 | 771-9985/106-402 | | 1 |
| 5 m | 771-9985/106-501 | 771-9985/106-502 | | 1 |
| 6 m | 771-9985/106-601 | 771-9985/106-602 | | 1 |
| 7 m | 771-9985/106-701 | 771-9985/106-702 | | 1 |
| 8 m | 771-9985/106-801 | 771-9985/106-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 771-9985/206-101 | 771-9985/206-102 | | 1 |
| 2 m | 771-9985/206-201 | 771-9985/206-202 | | 1 |
| 3 m | 771-9985/206-301 | 771-9985/206-302 | | 1 |
| 4 m | 771-9985/206-401 | 771-9985/206-402 | | 1 |
| 5 m | 771-9985/206-501 | 771-9985/206-502 | | 1 |
| 6 m | 771-9985/206-601 | 771-9985/206-602 | | 1 |
| 7 m | 771-9985/206-701 | 771-9985/206-702 | | 1 |
| 8 m | 771-9985/206-801 | 771-9985/206-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

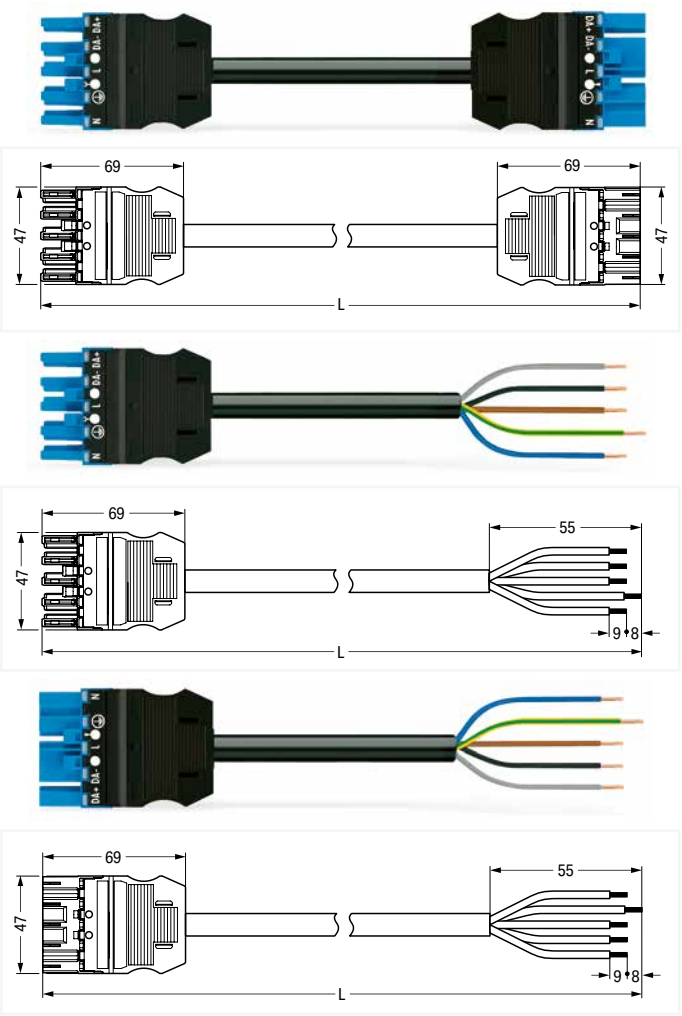
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: I ▶ 1.5 mm² ▶ Marking: N ⏚ L DA- DA+ ▶ Halogen-free ▶ Sheathed cable diameter: 9.3 … 11.6 mm ▶ H05Z1Z1-F 5G1.5 ▶ DALI, Lighting Management






Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 771-9985/016-101 | 771-9985/016-102 | | 1 |
| 2 m | 771-9985/016-201 | 771-9985/016-202 | | 1 |
| 3 m | 771-9985/016-301 | 771-9985/016-302 | | 1 |
| 4 m | 771-9985/016-401 | 771-9985/016-402 | | 1 |
| 5 m | 771-9985/016-501 | 771-9985/016-502 | | 1 |
| 6 m | 771-9985/016-601 | 771-9985/016-602 | | 1 |
| 7 m | 771-9985/016-701 | 771-9985/016-702 | | 1 |
| 8 m | 771-9985/016-801 | 771-9985/016-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 771-9985/116-101 | 771-9985/116-102 | | 1 |
| 2 m | 771-9985/116-201 | 771-9985/116-202 | | 1 |
| 3 m | 771-9985/116-301 | 771-9985/116-302 | | 1 |
| 4 m | 771-9985/116-401 | 771-9985/116-402 | | 1 |
| 5 m | 771-9985/116-501 | 771-9985/116-502 | | 1 |
| 6 m | 771-9985/116-601 | 771-9985/116-602 | | 1 |
| 7 m | 771-9985/116-701 | 771-9985/116-702 | | 1 |
| 8 m | 771-9985/116-801 | 771-9985/116-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 771-9985/216-101 | 771-9985/216-102 | | 1 |
| 2 m | 771-9985/216-201 | 771-9985/216-202 | | 1 |
| 3 m | 771-9985/216-301 | 771-9985/216-302 | | 1 |
| 4 m | 771-9985/216-401 | 771-9985/216-402 | | 1 |
| 5 m | 771-9985/216-501 | 771-9985/216-502 | | 1 |
| 6 m | 771-9985/216-601 | 771-9985/216-602 | | 1 |
| 7 m | 771-9985/216-701 | 771-9985/216-702 | | 1 |
| 8 m | 771-9985/216-801 | 771-9985/216-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

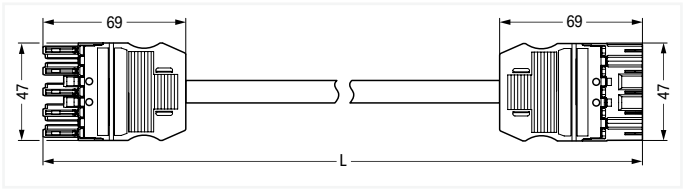
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

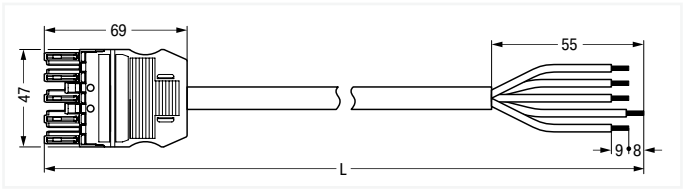
# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: I ▶ 2.5 mm² ▶ Marking: N ⏚ L DA- DA+ ▶ PVC ▶ Sheathed cable diameter: 11.2 … 13.9 mm ▶ H05VV-F 5G2.5 ▶ DALI, Lighting Management

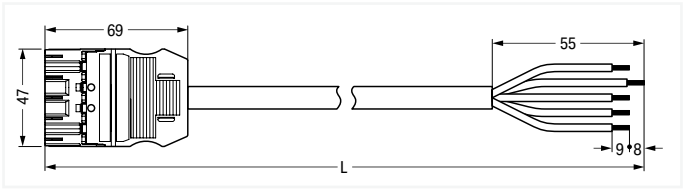









Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 771-9985/007-101 | 771-9985/007-102 | | 1 |
| 2 m | 771-9985/007-201 | 771-9985/007-202 | | 1 |
| 3 m | 771-9985/007-301 | 771-9985/007-302 | | 1 |
| 4 m | 771-9985/007-401 | 771-9985/007-402 | | 1 |
| 5 m | 771-9985/007-501 | 771-9985/007-502 | | 1 |
| 6 m | 771-9985/007-601 | 771-9985/007-602 | | 1 |
| 7 m | 771-9985/007-701 | 771-9985/007-702 | | 1 |
| 8 m | 771-9985/007-801 | 771-9985/007-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 771-9985/107-101 | 771-9985/107-102 | | 1 |
| 2 m | 771-9985/107-201 | 771-9985/107-202 | | 1 |
| 3 m | 771-9985/107-301 | 771-9985/107-302 | | 1 |
| 4 m | 771-9985/107-401 | 771-9985/107-402 | | 1 |
| 5 m | 771-9985/107-501 | 771-9985/107-502 | | 1 |
| 6 m | 771-9985/107-601 | 771-9985/107-602 | | 1 |
| 7 m | 771-9985/107-701 | 771-9985/107-702 | | 1 |
| 8 m | 771-9985/107-801 | 771-9985/107-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 771-9985/207-101 | 771-9985/207-102 | | 1 |
| 2 m | 771-9985/207-201 | 771-9985/207-202 | | 1 |
| 3 m | 771-9985/207-301 | 771-9985/207-302 | | 1 |
| 4 m | 771-9985/207-401 | 771-9985/207-402 | | 1 |
| 5 m | 771-9985/207-501 | 771-9985/207-502 | | 1 |
| 6 m | 771-9985/207-601 | 771-9985/207-602 | | 1 |
| 7 m | 771-9985/207-701 | 771-9985/207-702 | | 1 |
| 8 m | 771-9985/207-801 | 771-9985/207-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

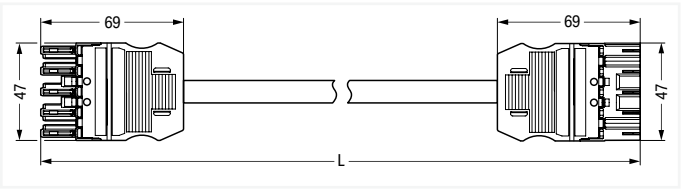
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

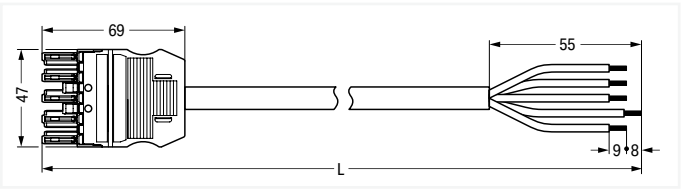
Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: I ▶ 2.5 mm² ▶ Marking: N ⏚ L DA- DA+ ▶ Halogen-free ▶ Sheathed cable diameter: 11.2 … 13.9 mm ▶ H05Z1Z1-F 5G2.5 ▶ DALI, Lighting Management



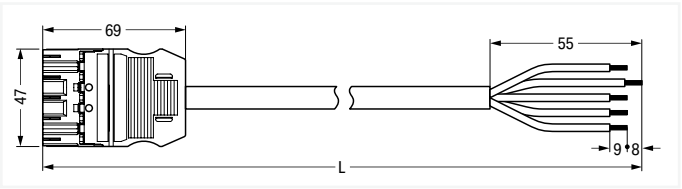









Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 771-9985/017-101 | 771-9985/017-102 | | 1 |
| 2 m | 771-9985/017-201 | 771-9985/017-202 | | 1 |
| 3 m | 771-9985/017-301 | 771-9985/017-302 | | 1 |
| 4 m | 771-9985/017-401 | 771-9985/017-402 | | 1 |
| 5 m | 771-9985/017-501 | 771-9985/017-502 | | 1 |
| 6 m | 771-9985/017-601 | 771-9985/017-602 | | 1 |
| 7 m | 771-9985/017-701 | 771-9985/017-702 | | 1 |
| 8 m | 771-9985/017-801 | 771-9985/017-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 771-9985/117-101 | 771-9985/117-102 | | 1 |
| 2 m | 771-9985/117-201 | 771-9985/117-202 | | 1 |
| 3 m | 771-9985/117-301 | 771-9985/117-302 | | 1 |
| 4 m | 771-9985/117-401 | 771-9985/117-402 | | 1 |
| 5 m | 771-9985/117-501 | 771-9985/117-502 | | 1 |
| 6 m | 771-9985/117-601 | 771-9985/117-602 | | 1 |
| 7 m | 771-9985/117-701 | 771-9985/117-702 | | 1 |
| 8 m | 771-9985/117-801 | 771-9985/117-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | blue / white | | |
| 1 m | 771-9985/217-101 | 771-9985/217-102 | | 1 |
| 2 m | 771-9985/217-201 | 771-9985/217-202 | | 1 |
| 3 m | 771-9985/217-301 | 771-9985/217-302 | | 1 |
| 4 m | 771-9985/217-401 | 771-9985/217-402 | | 1 |
| 5 m | 771-9985/217-501 | 771-9985/217-502 | | 1 |
| 6 m | 771-9985/217-601 | 771-9985/217-602 | | 1 |
| 7 m | 771-9985/217-701 | 771-9985/217-702 | | 1 |
| 8 m | 771-9985/217-801 | 771-9985/217-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



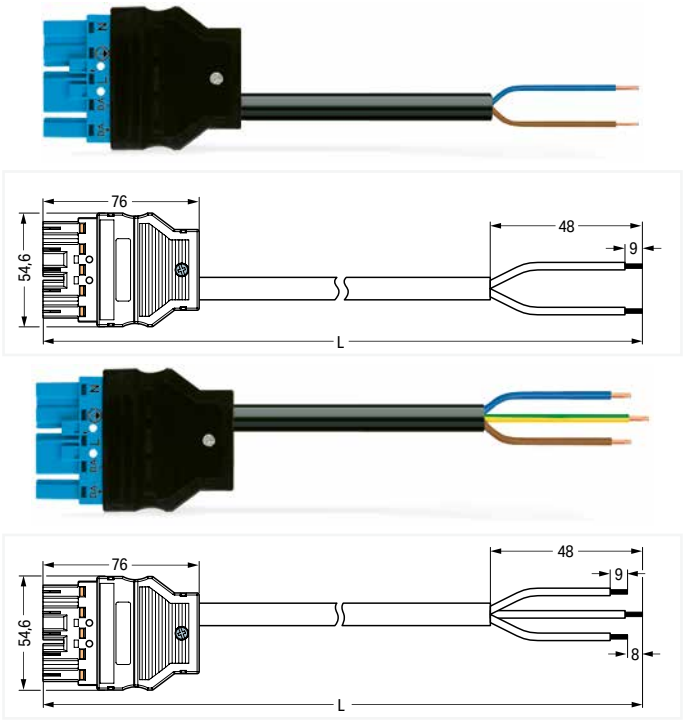
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: I ▶ 1.5 mm² ▶ Connecting cable ▶ PVC ▶ Plug - free end ▶ Strip length (outer insulation): 48 mm ▶ DALI, Lighting Management




Sheathed cable diameter: 6.8 ... 8.6 mm ▶ H05VV-F 2x1.5

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | | | |
| 1 m | 771-5001/164-000 | | | 1 |
| 2 m | 771-5001/165-000 | | | 1 |
| 3 m | 771-5001/166-000 | | | 1 |
| 4 m | 771-5001/167-000 | | | 1 |
| 5 m | 771-5001/168-000 | | | 1 |
| 6 m | 771-5001/169-000 | | | 1 |
| 7 m | 771-5001/170-000 | | | 1 |
| 8 m | 771-5001/171-000 | | | 1 |

Sheathed cable diameter: 7.4 ... 9.4 mm ▶ H05VV-F 3G1.5

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | | | |
| 1 m | 771-5001/148-000 | | | 1 |
| 2 m | 771-5001/149-000 | | | 1 |
| 3 m | 771-5001/150-000 | | | 1 |
| 4 m | 771-5001/151-000 | | | 1 |
| 5 m | 771-5001/152-000 | | | 1 |
| 6 m | 771-5001/153-000 | | | 1 |
| 7 m | 771-5001/154-000 | | | 1 |
| 8 m | 771-5001/155-000 | | | 1 |

2

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

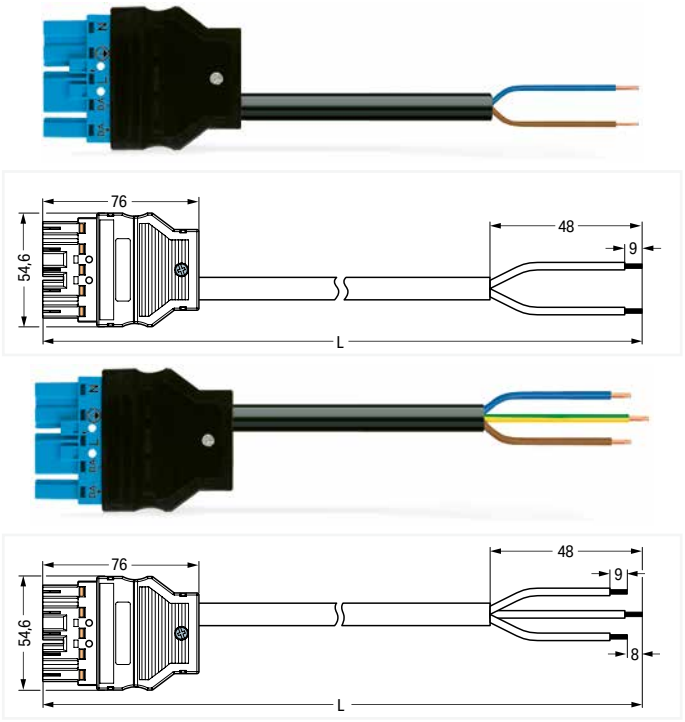
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: I ▶ 1.5 mm² ▶ Connecting cable ▶ Halogen-free ▶ Plug - free end ▶ Strip length (outer insulation): 48 mm ▶ DALI, Lighting Management






| Sheathed cable diameter: 6.8 … 8.6 mm ▶ H05Z1Z1-F 2x1.5 | | | | |
|---|---|---|---|---|
| Total length | Connector color / Strain relief color | | | PU |
| | blue / black | | | |
| 1 m | 771-5001/172-000 | | | 1 |
| 2 m | 771-5001/173-000 | | | 1 |
| 3 m | 771-5001/174-000 | | | 1 |
| 4 m | 771-5001/175-000 | | | 1 |
| 5 m | 771-5001/176-000 | | | 1 |
| 6 m | 771-5001/177-000 | | | 1 |
| 7 m | 771-5001/178-000 | | | 1 |
| 8 m | 771-5001/179-000 | | | 1 |

| Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05Z1Z1-F 3G1.5 | | | | |
|---|---|---|---|---|
| Total length | Connector color / Strain relief color | | | PU |
| | blue / black | | | |
| 1 m | 771-5001/156-000 | | | 1 |
| 2 m | 771-5001/157-000 | | | 1 |
| 3 m | 771-5001/158-000 | | | 1 |
| 4 m | 771-5001/159-000 | | | 1 |
| 5 m | 771-5001/160-000 | | | 1 |
| 6 m | 771-5001/161-000 | | | 1 |
| 7 m | 771-5001/162-000 | | | 1 |
| 8 m | 771-5001/163-000 | | | 1 |

**Accessories; for all products on this page**



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

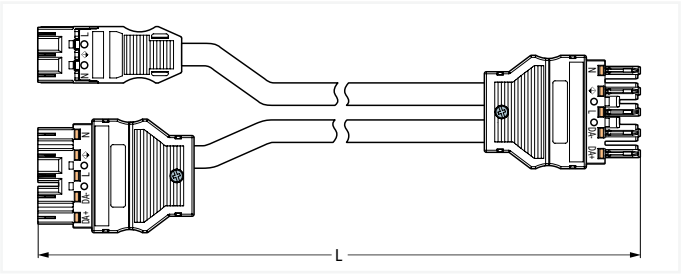
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

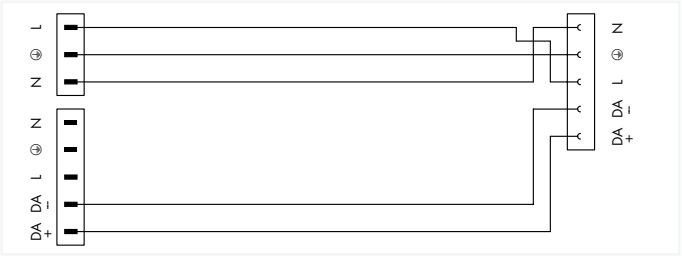
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

## Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: I ▶ 1.5 mm² ▶ Y-cable ▶ PVC ▶ Sheathed cable diameter: 6.8 … 8.6 mm ▶ H05VV-F 2x1.5 ▶ DALI, Lighting Management



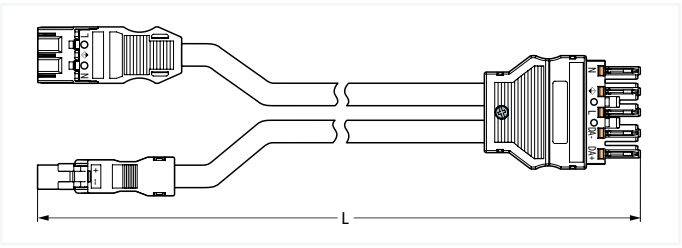



MIDI plug; MIDI plug - MIDI socket

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | | | |
| 0.5 m | 771-5001/180-000 | | | 1 |









MIDI plug; MINI plug - MIDI socket

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | blue / black | | | |
| 0.5 m | 771-5001/182-000 | | | 1 |

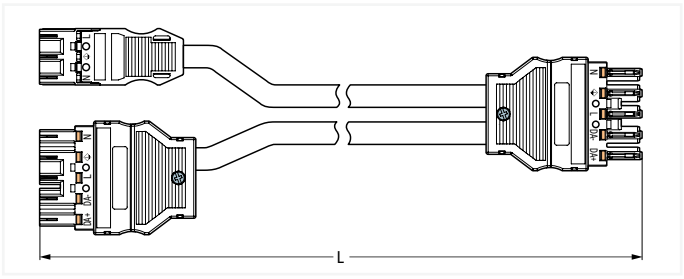
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

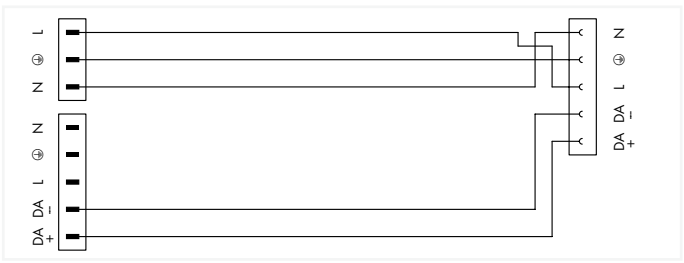
## Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: I ▶ 1.5 mm² ▶ Y-cable ▶ Halogen-free ▶ Sheathed cable diameter: 6.8 … 8.6 mm ▶ H05Z1Z1-F 2x1.5 ▶ DALI, Lighting Management



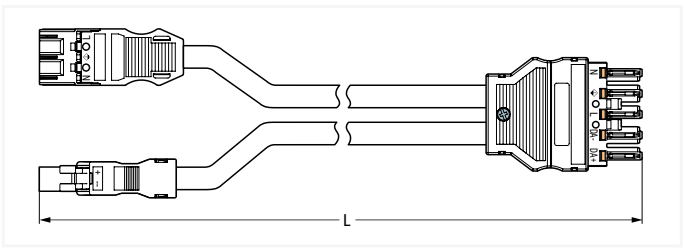





| MIDI plug; MIDI plug - MIDI socket | | | | |
|---|---|---|---|---|
| Total length | Connector color / Strain relief color | | | PU |
| | blue / black | | | |
| 0.5 m | 771-5001/181-000 | | | 1 |







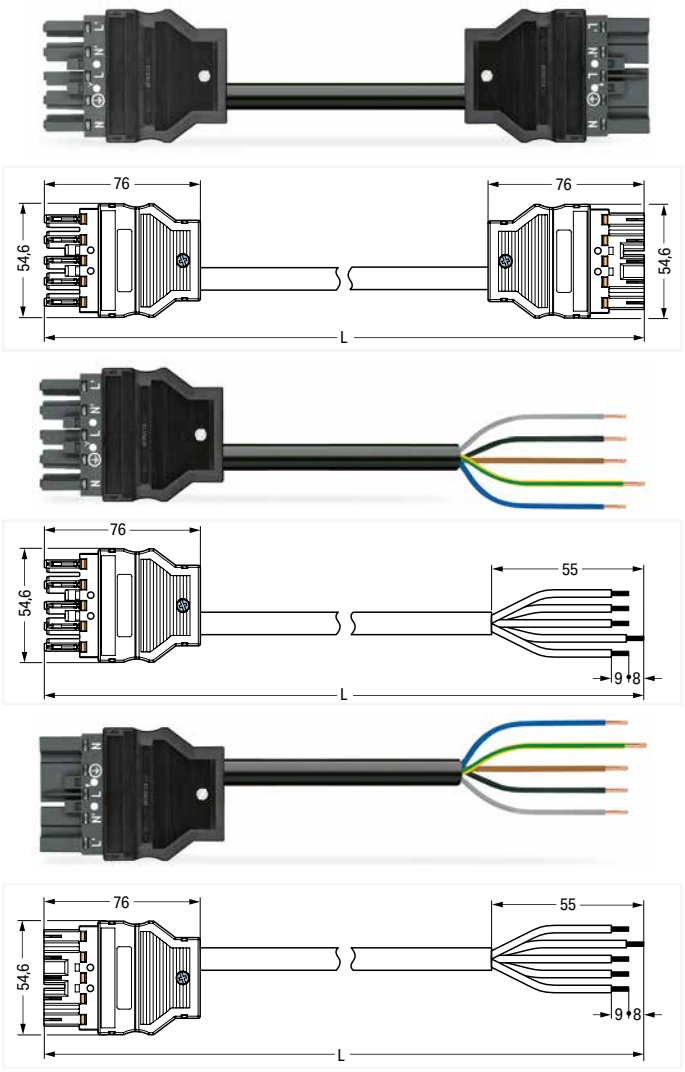


| MIDI plug; MINI plug - MIDI socket | | | | |
|---|---|---|---|---|
| Total length | Connector color / Strain relief color | | | PU |
| | blue / black | | | |
| 0.5 m | 771-5001/183-000 | | | 1 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: L ▶ 1.5 mm² ▶ Marking: N ⏚ L N′ L′ ▶ PVC ▶ Sheathed cable diameter: 9.3 … 11.6 mm ▶ H05VV-F 5G1.5 ▶ Emergency power supply




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8985/006-103 | 771-8985/006-104 | | 1 |
| 2 m | 771-8985/006-203 | 771-8985/006-204 | | 1 |
| 3 m | 771-8985/006-303 | 771-8985/006-304 | | 1 |
| 4 m | 771-8985/006-403 | 771-8985/006-404 | | 1 |
| 5 m | 771-8985/006-503 | 771-8985/006-504 | | 1 |
| 6 m | 771-8985/006-603 | 771-8985/006-604 | | 1 |
| 7 m | 771-8985/006-703 | 771-8985/006-704 | | 1 |
| 8 m | 771-8985/006-803 | 771-8985/006-804 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8985/106-103 | 771-8985/106-104 | | 1 |
| 2 m | 771-8985/106-203 | 771-8985/106-204 | | 1 |
| 3 m | 771-8985/106-303 | 771-8985/106-304 | | 1 |
| 4 m | 771-8985/106-403 | 771-8985/106-404 | | 1 |
| 5 m | 771-8985/106-503 | 771-8985/106-504 | | 1 |
| 6 m | 771-8985/106-603 | 771-8985/106-604 | | 1 |
| 7 m | 771-8985/106-703 | 771-8985/106-704 | | 1 |
| 8 m | 771-8985/106-803 | 771-8985/106-804 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8985/206-103 | 771-8985/206-104 | | 1 |
| 2 m | 771-8985/206-203 | 771-8985/206-204 | | 1 |
| 3 m | 771-8985/206-303 | 771-8985/206-304 | | 1 |
| 4 m | 771-8985/206-403 | 771-8985/206-404 | | 1 |
| 5 m | 771-8985/206-503 | 771-8985/206-504 | | 1 |
| 6 m | 771-8985/206-603 | 771-8985/206-604 | | 1 |
| 7 m | 771-8985/206-703 | 771-8985/206-704 | | 1 |
| 8 m | 771-8985/206-803 | 771-8985/206-804 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

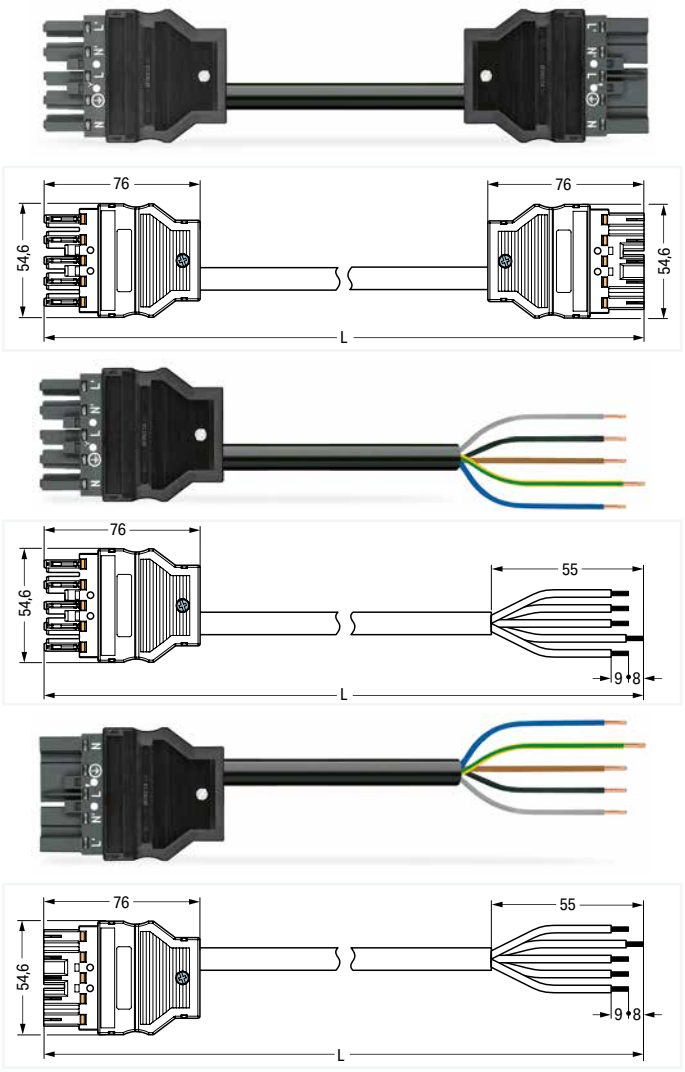
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: L ▶ 1.5 mm² ▶ Marking: N ⏚ L N' L' ▶ Halogen-free ▶ Sheathed cable diameter: 9.3 … 11.6 mm ▶ H05Z1Z1-F 5G1.5 ▶ Emergency power supply






Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8985/016-103 | 771-8985/016-104 | | 1 |
| 2 m | 771-8985/016-203 | 771-8985/016-204 | | 1 |
| 3 m | 771-8985/016-303 | 771-8985/016-304 | | 1 |
| 4 m | 771-8985/016-403 | 771-8985/016-404 | | 1 |
| 5 m | 771-8985/016-503 | 771-8985/016-504 | | 1 |
| 6 m | 771-8985/016-603 | 771-8985/016-604 | | 1 |
| 7 m | 771-8985/016-703 | 771-8985/016-704 | | 1 |
| 8 m | 771-8985/016-803 | 771-8985/016-804 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8985/116-103 | 771-8985/116-104 | | 1 |
| 2 m | 771-8985/116-203 | 771-8985/116-204 | | 1 |
| 3 m | 771-8985/116-303 | 771-8985/116-304 | | 1 |
| 4 m | 771-8985/116-403 | 771-8985/116-404 | | 1 |
| 5 m | 771-8985/116-503 | 771-8985/116-504 | | 1 |
| 6 m | 771-8985/116-603 | 771-8985/116-604 | | 1 |
| 7 m | 771-8985/116-703 | 771-8985/116-704 | | 1 |
| 8 m | 771-8985/116-803 | 771-8985/116-804 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8985/216-103 | 771-8985/216-104 | | 1 |
| 2 m | 771-8985/216-203 | 771-8985/216-204 | | 1 |
| 3 m | 771-8985/216-303 | 771-8985/216-304 | | 1 |
| 4 m | 771-8985/216-403 | 771-8985/216-404 | | 1 |
| 5 m | 771-8985/216-503 | 771-8985/216-504 | | 1 |
| 6 m | 771-8985/216-603 | 771-8985/216-604 | | 1 |
| 7 m | 771-8985/216-703 | 771-8985/216-704 | | 1 |
| 8 m | 771-8985/216-803 | 771-8985/216-804 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



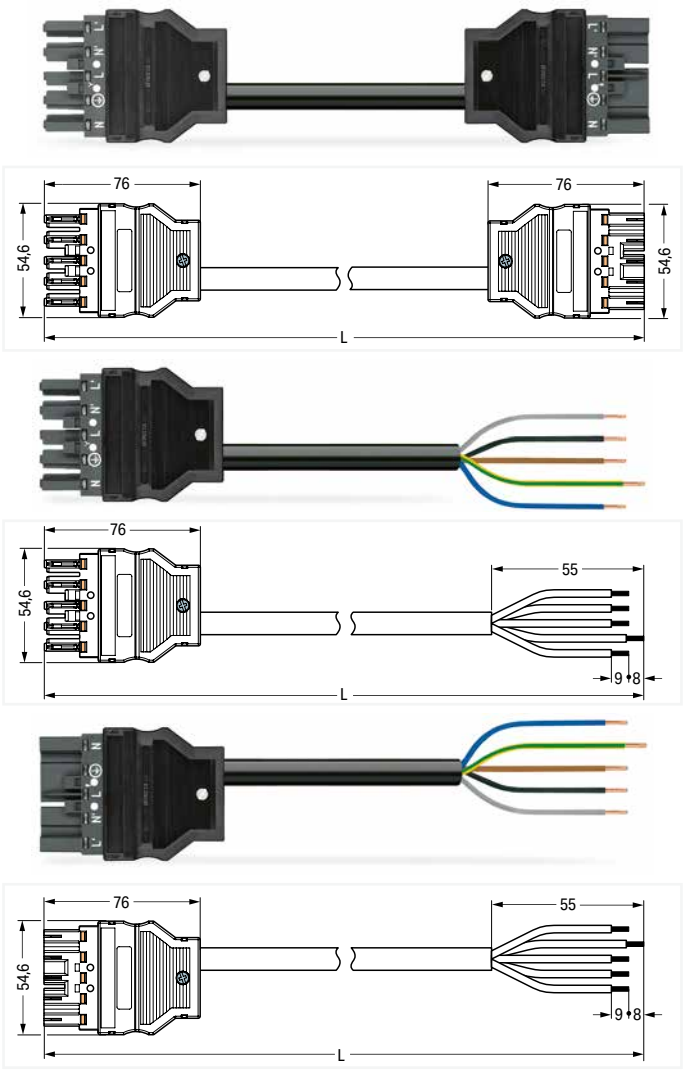
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: $E_{ca}$ ▸ Coding: L ▸ 2.5 mm² ▸ Marking: N ⏚ L N′ L′ ▸ PVC ▸ Sheathed cable diameter: 11.2 … 13.9 mm ▸ H05VV-F 5G2.5 ▸ Emergency power supply




Interconnecting cable ▸ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8985/007-103 | 771-8985/007-104 | | 1 |
| 2 m | 771-8985/007-203 | 771-8985/007-204 | | 1 |
| 3 m | 771-8985/007-303 | 771-8985/007-304 | | 1 |
| 4 m | 771-8985/007-403 | 771-8985/007-404 | | 1 |
| 5 m | 771-8985/007-503 | 771-8985/007-504 | | 1 |
| 6 m | 771-8985/007-603 | 771-8985/007-604 | | 1 |
| 7 m | 771-8985/007-703 | 771-8985/007-704 | | 1 |
| 8 m | 771-8985/007-803 | 771-8985/007-804 | | 1 |

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8985/107-103 | 771-8985/107-104 | | 1 |
| 2 m | 771-8985/107-203 | 771-8985/107-204 | | 1 |
| 3 m | 771-8985/107-303 | 771-8985/107-304 | | 1 |
| 4 m | 771-8985/107-403 | 771-8985/107-404 | | 1 |
| 5 m | 771-8985/107-503 | 771-8985/107-504 | | 1 |
| 6 m | 771-8985/107-603 | 771-8985/107-604 | | 1 |
| 7 m | 771-8985/107-703 | 771-8985/107-704 | | 1 |
| 8 m | 771-8985/107-803 | 771-8985/107-804 | | 1 |

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8985/207-103 | 771-8985/207-104 | | 1 |
| 2 m | 771-8985/207-203 | 771-8985/207-204 | | 1 |
| 3 m | 771-8985/207-303 | 771-8985/207-304 | | 1 |
| 4 m | 771-8985/207-403 | 771-8985/207-404 | | 1 |
| 5 m | 771-8985/207-503 | 771-8985/207-504 | | 1 |
| 6 m | 771-8985/207-603 | 771-8985/207-604 | | 1 |
| 7 m | 771-8985/207-703 | 771-8985/207-704 | | 1 |
| 8 m | 771-8985/207-803 | 771-8985/207-804 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

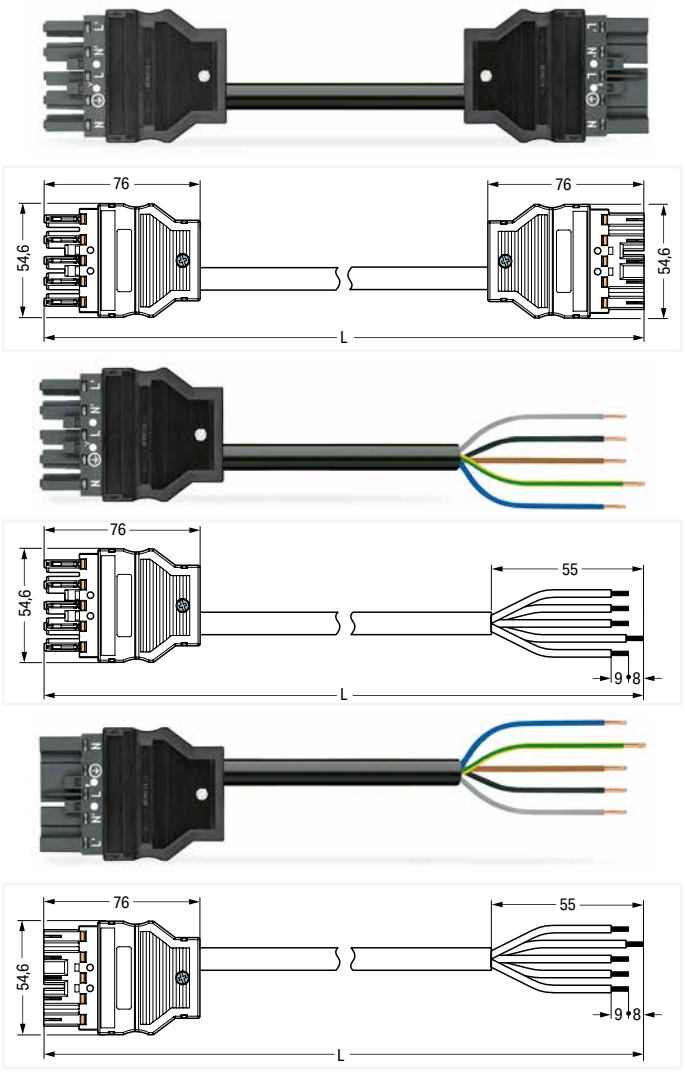
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: $E_{ca}$ ▸ Coding: L ▸ 2.5 mm² ▸ Marking: N ⏚ L N′ L′ ▸ Halogen-free ▸ Sheathed cable diameter: 11.2 … 13.9 mm ▸ H05Z1Z1-F 5G2.5 ▸ Emergency power supply






Interconnecting cable ▸ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8985/017-103 | 771-8985/017-104 | | 1 |
| 2 m | 771-8985/017-203 | 771-8985/017-204 | | 1 |
| 3 m | 771-8985/017-303 | 771-8985/017-304 | | 1 |
| 4 m | 771-8985/017-403 | 771-8985/017-404 | | 1 |
| 5 m | 771-8985/017-503 | 771-8985/017-504 | | 1 |
| 6 m | 771-8985/017-603 | 771-8985/017-604 | | 1 |
| 7 m | 771-8985/017-703 | 771-8985/017-704 | | 1 |
| 8 m | 771-8985/017-803 | 771-8985/017-804 | | 1 |

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8985/117-103 | 771-8985/117-104 | | 1 |
| 2 m | 771-8985/117-203 | 771-8985/117-204 | | 1 |
| 3 m | 771-8985/117-303 | 771-8985/117-304 | | 1 |
| 4 m | 771-8985/117-403 | 771-8985/117-404 | | 1 |
| 5 m | 771-8985/117-503 | 771-8985/117-504 | | 1 |
| 6 m | 771-8985/117-603 | 771-8985/117-604 | | 1 |
| 7 m | 771-8985/117-703 | 771-8985/117-704 | | 1 |
| 8 m | 771-8985/117-803 | 771-8985/117-804 | | 1 |

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | dark gray / black | dark gray / white | | |
| 1 m | 771-8985/217-103 | 771-8985/217-104 | | 1 |
| 2 m | 771-8985/217-203 | 771-8985/217-204 | | 1 |
| 3 m | 771-8985/217-303 | 771-8985/217-304 | | 1 |
| 4 m | 771-8985/217-403 | 771-8985/217-404 | | 1 |
| 5 m | 771-8985/217-503 | 771-8985/217-504 | | 1 |
| 6 m | 771-8985/217-603 | 771-8985/217-604 | | 1 |
| 7 m | 771-8985/217-703 | 771-8985/217-704 | | 1 |
| 8 m | 771-8985/217-803 | 771-8985/217-804 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

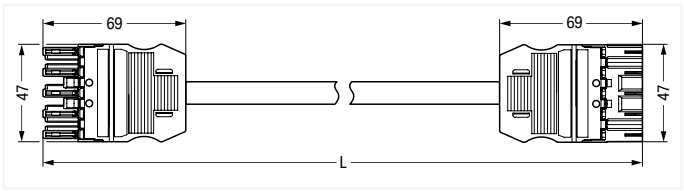
| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

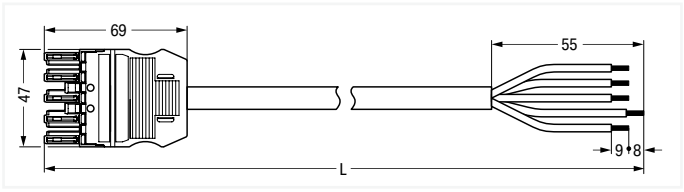
# Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: $E_{ca}$ ▸ Coding: P ▸ 1.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ Sheathed cable diameter: 9.3 … 11.6 mm ▸ H05VV-F 5G1.5 ▸ EDV (UPS)

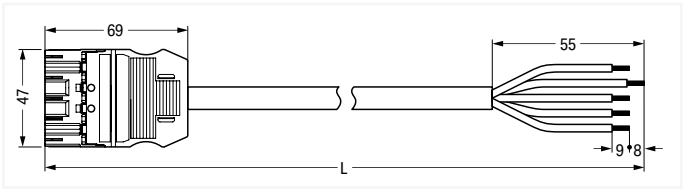









Interconnecting cable ▸ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9975/006-101 | 771-9975/006-102 | | 1 |
| 2 m | 771-9975/006-201 | 771-9975/006-202 | | 1 |
| 3 m | 771-9975/006-301 | 771-9975/006-302 | | 1 |
| 4 m | 771-9975/006-401 | 771-9975/006-402 | | 1 |
| 5 m | 771-9975/006-501 | 771-9975/006-502 | | 1 |
| 6 m | 771-9975/006-601 | 771-9975/006-602 | | 1 |
| 7 m | 771-9975/006-701 | 771-9975/006-702 | | 1 |
| 8 m | 771-9975/006-801 | 771-9975/006-802 | | 1 |

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9975/106-101 | 771-9975/106-102 | | 1 |
| 2 m | 771-9975/106-201 | 771-9975/106-202 | | 1 |
| 3 m | 771-9975/106-301 | 771-9975/106-302 | | 1 |
| 4 m | 771-9975/106-401 | 771-9975/106-402 | | 1 |
| 5 m | 771-9975/106-501 | 771-9975/106-502 | | 1 |
| 6 m | 771-9975/106-601 | 771-9975/106-602 | | 1 |
| 7 m | 771-9975/106-701 | 771-9975/106-702 | | 1 |
| 8 m | 771-9975/106-801 | 771-9975/106-802 | | 1 |

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9975/206-101 | 771-9975/206-102 | | 1 |
| 2 m | 771-9975/206-201 | 771-9975/206-202 | | 1 |
| 3 m | 771-9975/206-301 | 771-9975/206-302 | | 1 |
| 4 m | 771-9975/206-401 | 771-9975/206-402 | | 1 |
| 5 m | 771-9975/206-501 | 771-9975/206-502 | | 1 |
| 6 m | 771-9975/206-601 | 771-9975/206-602 | | 1 |
| 7 m | 771-9975/206-701 | 771-9975/206-702 | | 1 |
| 8 m | 771-9975/206-801 | 771-9975/206-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

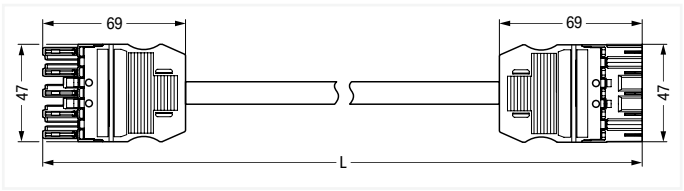
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

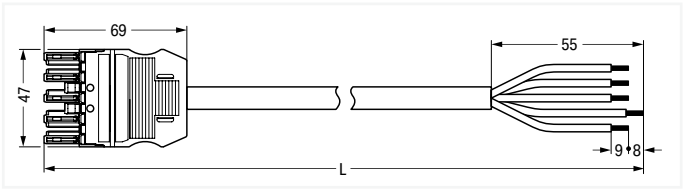
Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: P ▶ 1.5 mm² ▶ Marking: N ⏚ L1 L2 L3 ▶ Halogen-free ▶ Sheathed cable diameter: 9.3 … 11.6 mm ▶ H05Z1Z1-F 5G1.5 ▶ EDV (UPS)



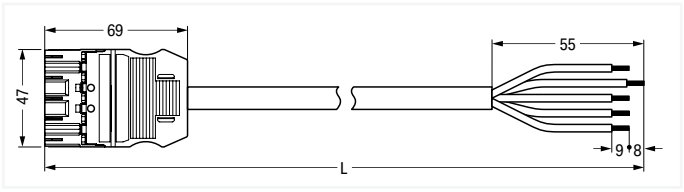









Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9975/016-101 | 771-9975/016-102 | | 1 |
| 2 m | 771-9975/016-201 | 771-9975/016-202 | | 1 |
| 3 m | 771-9975/016-301 | 771-9975/016-302 | | 1 |
| 4 m | 771-9975/016-401 | 771-9975/016-402 | | 1 |
| 5 m | 771-9975/016-501 | 771-9975/016-502 | | 1 |
| 6 m | 771-9975/016-601 | 771-9975/016-602 | | 1 |
| 7 m | 771-9975/016-701 | 771-9975/016-702 | | 1 |
| 8 m | 771-9975/016-801 | 771-9975/016-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9975/116-101 | 771-9975/116-102 | | 1 |
| 2 m | 771-9975/116-201 | 771-9975/116-202 | | 1 |
| 3 m | 771-9975/116-301 | 771-9975/116-302 | | 1 |
| 4 m | 771-9975/116-401 | 771-9975/116-402 | | 1 |
| 5 m | 771-9975/116-501 | 771-9975/116-502 | | 1 |
| 6 m | 771-9975/116-601 | 771-9975/116-602 | | 1 |
| 7 m | 771-9975/116-701 | 771-9975/116-702 | | 1 |
| 8 m | 771-9975/116-801 | 771-9975/116-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9975/216-101 | 771-9975/216-102 | | 1 |
| 2 m | 771-9975/216-201 | 771-9975/216-202 | | 1 |
| 3 m | 771-9975/216-301 | 771-9975/216-302 | | 1 |
| 4 m | 771-9975/216-401 | 771-9975/216-402 | | 1 |
| 5 m | 771-9975/216-501 | 771-9975/216-502 | | 1 |
| 6 m | 771-9975/216-601 | 771-9975/216-602 | | 1 |
| 7 m | 771-9975/216-701 | 771-9975/216-702 | | 1 |
| 8 m | 771-9975/216-801 | 771-9975/216-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



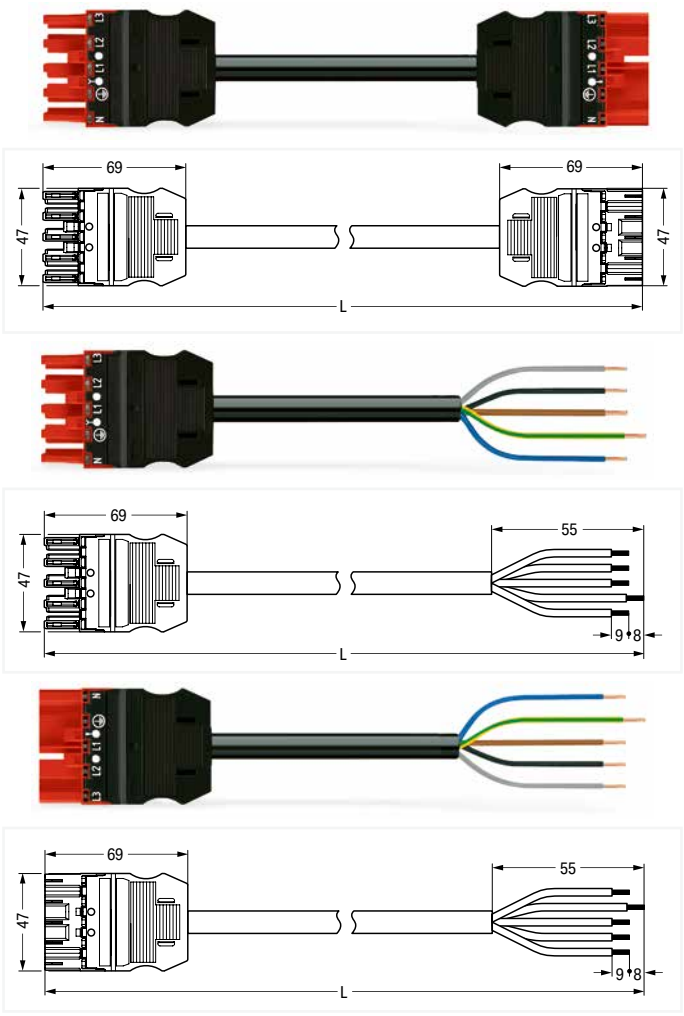
Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Protection type: IP20 ▸ Fire class per EN 50575: $E_{ca}$ ▸ Coding: P ▸ 2.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ Sheathed cable diameter: 11.2 … 13.9 mm ▸ H05VV-F 5G2.5 ▸ EDV (UPS)




Interconnecting cable ▸ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9975/007-101 | 771-9975/007-102 | | 1 |
| 2 m | 771-9975/007-201 | 771-9975/007-202 | | 1 |
| 3 m | 771-9975/007-301 | 771-9975/007-302 | | 1 |
| 4 m | 771-9975/007-401 | 771-9975/007-402 | | 1 |
| 5 m | 771-9975/007-501 | 771-9975/007-502 | | 1 |
| 6 m | 771-9975/007-601 | 771-9975/007-602 | | 1 |
| 7 m | 771-9975/007-701 | 771-9975/007-702 | | 1 |
| 8 m | 771-9975/007-801 | 771-9975/007-802 | | 1 |

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9975/107-101 | 771-9975/107-102 | | 1 |
| 2 m | 771-9975/107-201 | 771-9975/107-202 | | 1 |
| 3 m | 771-9975/107-301 | 771-9975/107-302 | | 1 |
| 4 m | 771-9975/107-401 | 771-9975/107-402 | | 1 |
| 5 m | 771-9975/107-501 | 771-9975/107-502 | | 1 |
| 6 m | 771-9975/107-601 | 771-9975/107-602 | | 1 |
| 7 m | 771-9975/107-701 | 771-9975/107-702 | | 1 |
| 8 m | 771-9975/107-801 | 771-9975/107-802 | | 1 |

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9975/207-101 | 771-9975/207-102 | | 1 |
| 2 m | 771-9975/207-201 | 771-9975/207-202 | | 1 |
| 3 m | 771-9975/207-301 | 771-9975/207-302 | | 1 |
| 4 m | 771-9975/207-401 | 771-9975/207-402 | | 1 |
| 5 m | 771-9975/207-501 | 771-9975/207-502 | | 1 |
| 6 m | 771-9975/207-601 | 771-9975/207-602 | | 1 |
| 7 m | 771-9975/207-701 | 771-9975/207-702 | | 1 |
| 8 m | 771-9975/207-801 | 771-9975/207-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

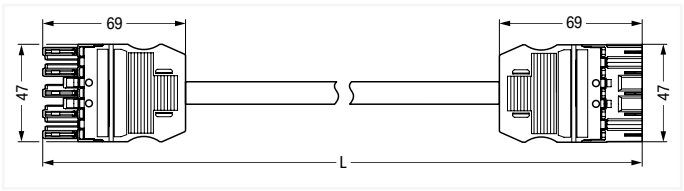
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® MIDI ▶ 771 Series

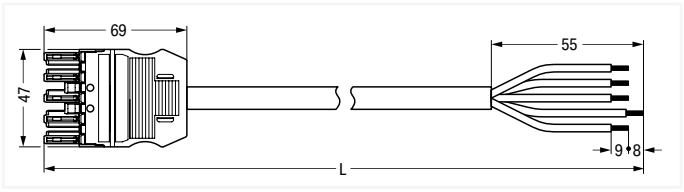
Pole number: 5 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: P ▶ 2.5 mm² ▶ Marking: N ⏚ L1 L2 L3 ▶ Halogen-free ▶ Sheathed cable diameter: 11.2 … 13.9 mm ▶ H05Z1Z1-F 5G2.5 ▶ EDV (UPS)



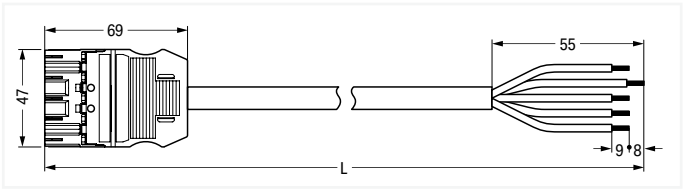









Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9975/017-101 | 771-9975/017-102 | | 1 |
| 2 m | 771-9975/017-201 | 771-9975/017-202 | | 1 |
| 3 m | 771-9975/017-301 | 771-9975/017-302 | | 1 |
| 4 m | 771-9975/017-401 | 771-9975/017-402 | | 1 |
| 5 m | 771-9975/017-501 | 771-9975/017-502 | | 1 |
| 6 m | 771-9975/017-601 | 771-9975/017-602 | | 1 |
| 7 m | 771-9975/017-701 | 771-9975/017-702 | | 1 |
| 8 m | 771-9975/017-801 | 771-9975/017-802 | | 1 |

Connecting cable ▶ Socket - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9975/117-101 | 771-9975/117-102 | | 1 |
| 2 m | 771-9975/117-201 | 771-9975/117-202 | | 1 |
| 3 m | 771-9975/117-301 | 771-9975/117-302 | | 1 |
| 4 m | 771-9975/117-401 | 771-9975/117-402 | | 1 |
| 5 m | 771-9975/117-501 | 771-9975/117-502 | | 1 |
| 6 m | 771-9975/117-601 | 771-9975/117-602 | | 1 |
| 7 m | 771-9975/117-701 | 771-9975/117-702 | | 1 |
| 8 m | 771-9975/117-801 | 771-9975/117-802 | | 1 |

Connecting cable ▶ Plug - free end ▶ Strip length (outer insulation): 55 mm

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | red / black | red / white | | |
| 1 m | 771-9975/217-101 | 771-9975/217-102 | | 1 |
| 2 m | 771-9975/217-201 | 771-9975/217-202 | | 1 |
| 3 m | 771-9975/217-301 | 771-9975/217-302 | | 1 |
| 4 m | 771-9975/217-401 | 771-9975/217-402 | | 1 |
| 5 m | 771-9975/217-501 | 771-9975/217-502 | | 1 |
| 6 m | 771-9975/217-601 | 771-9975/217-602 | | 1 |
| 7 m | 771-9975/217-701 | 771-9975/217-702 | | 1 |
| 8 m | 771-9975/217-801 | 771-9975/217-802 | | 1 |

## Accessories; for all products on this page



Locking lever; for flying leads; manually operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-101 | 100 (25) |
| ○ white | 770-121 | 100 (25) |



Locking lever; for flying leads; tool operated

| Color | Item no. | PU (SPU) |
|---|---|---|
| ● black | 770-111 | 100 (25) |
| ○ white | 770-131 | 100 (25) |



Mounting carrier; for flying leads; 2- to 5-pole

| Color | Item no. | PU |
|---|---|---|
| ● black | 770-310 | 25 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm



# WAGO Pluggable Connection System *WINSTA*® MAXI

PUSH-IN CAGE CLAMP®

# WAGO Pluggable Connection System *WINSTA*® MAXI ▶ 831 Series
# 6 mm² / 35 A

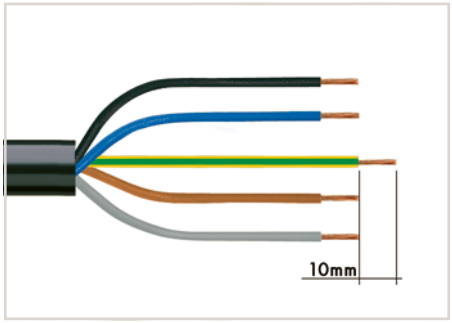
**Note:**
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Compliance with the standards (IEC 61535) does not guarantee hazard-preventing, non-interchangeability with installation connector systems from various manufacturers.
- Installation connector systems are not a substitute for residential connector/socket systems.

- *WINSTA*® MAXI Connectors are not intended for installation in open or easily accessible areas.

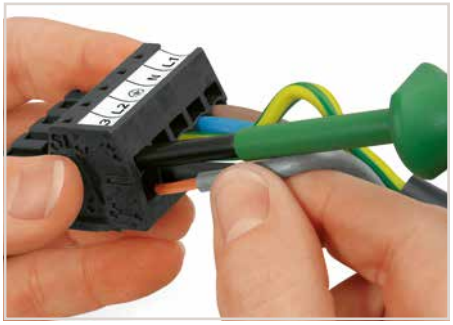

| | | Page |
|---|---|---|
|  | **Pluggable Connectors; 831 Series**<br>5-pole | 278 |


3

# *WINSTA*® MAXI ▸ 831 Series
## Description and Installation




The following lengths are recommended:
1. Strip length, outer insulation = 80 mm
2. Strip length = 13 mm
3. Extended ground conductor = 10 mm




To terminate fine-stranded conductors, open the clamping unit via screwdriver (5.5 mm blade width) and insert a stripped conductor until it hits backstop.




The printed marking of the connector is clearly visible in the openings of the strain relief housing.

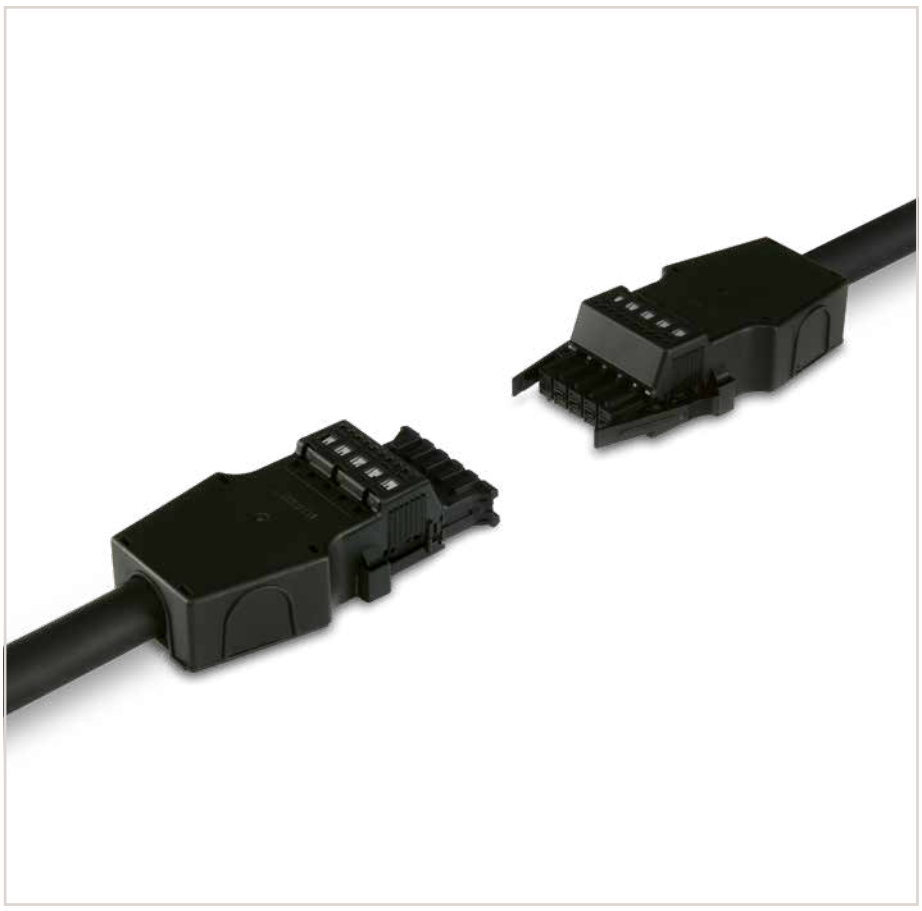
3



Unscrew base of strain relief housing.



Snap wired connector onto the base.





Tighten strain relief using a screwdriver.




Wired connector fitted in base of strain relief housing.



Latch the top of the strain relief housing.

# Pluggable connectors ▶ *WINSTA*® MAXI ▶ 831 Series
## Pole number: 5



- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Minimize voltage drop over longer cable runs.

3

| Electrical data | | | | |
|---|---|---|---|---|
| Ratings per | IEC/EN 60664-1 | | | |
| Overvoltage category | III | III | II | |
| Pollution degree | 3 | 2 | 2 | |
| Nominal voltage | 400 V | - | - | |
| Rated surge voltage | 6 kV | - | - | |
| Rated current | 35 A | - | - | |

| Connection data | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Strip length | 13 mm / 0.51 inches |
| Nominal cross-section | 6 mm² / 8 AWG |
| Solid conductor | 0.5 … 6 mm² / 20 … 8 AWG |
| Stranded conductor | 0.5 … 4 mm² / 20 … 12 AWG |
| Fine-stranded conductor | 0.5 … 6 mm² / 20 … 8 AWG |

| Material Data | |
|---|---|
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 100, without resistive load |
| Mating force of a plug-in connection | approx. 30 … 70 N (depending on number of poles) |
| Unmating force of a plug-in connection | Unlocked: approx. 30 … 70 N (depending on number of poles) |
| Retention force of a plug-in connection | Locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

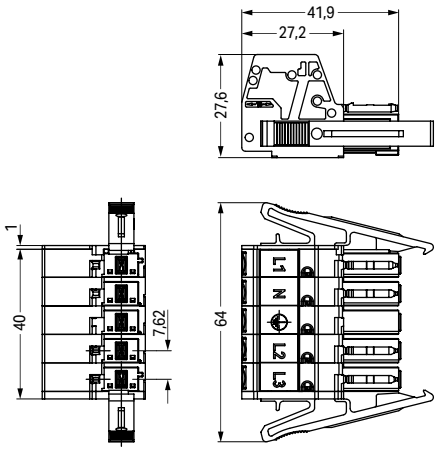
# Pluggable connectors ▸ *WINSTA*® MAXI ▸ 831 Series
## Pole number: 5

Female connector/socket



831-3105/1019-004

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | L1 N ⏚ L2 L3 | 831-3105/1019-004 | 5 |
| ○ white | A | L1 N ⏚ L2 L3 | 831-3105/1019-050 | 5 |

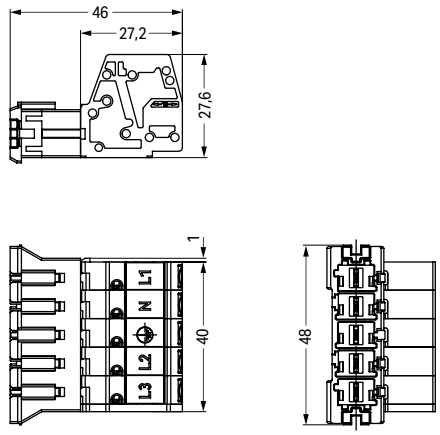



Male connector/plug



831-3205/1020-004

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | L1 N ⏚ L2 L3 | 831-3205/1020-004 | 5 |
| ○ white | A | L1 N ⏚ L2 L3 | 831-3205/1020-050 | 5 |




3

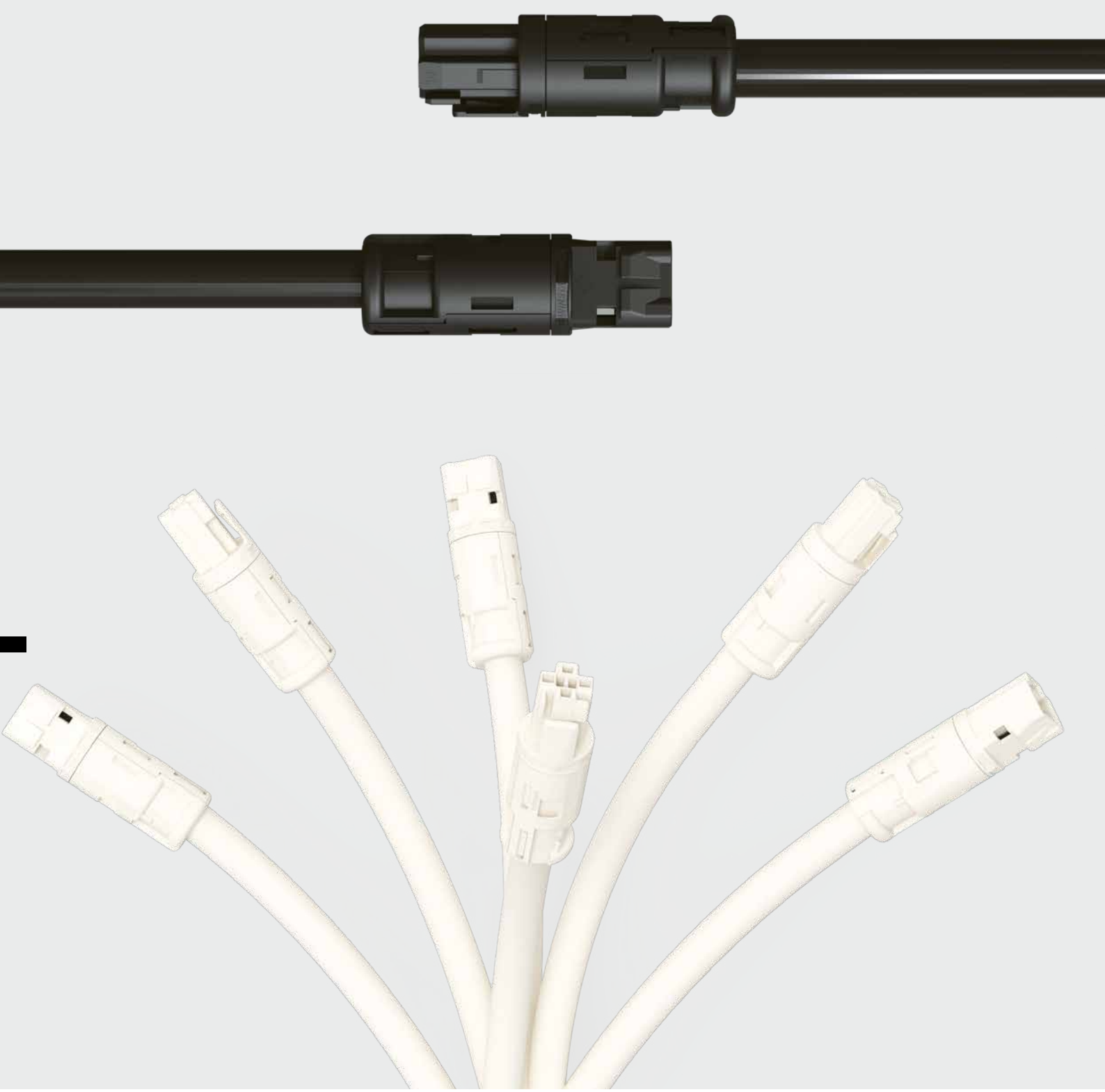
Accessories; for all products on this page



Operating tool; ; Pole number:

| Color | Item no. | PU (SPU) |
|---|---|---|
| ○ multicoloured | 210-721 | 25 (1) |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm



# WAGO Pluggable Connection System *WINSTA*® RD

# WAGO Pluggable Connection System *WINSTA*® RD ▶ 774 Series
# 2.5 mm² / 20 A

**Note:**
- IInstallation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Compliance with the standards (IEC 61535) does not guarantee hazard-preventing, non-interchangeability with installation connector systems from various manufacturers.
- Installation connector systems are not a substitute for residential connector/socket systems.

- *WINSTA*® RD Connectors are not intended for installation in open or easily accessible areas.




| | Page |
|---|---|
| **Cable Assemblies; 774 Series** | |
| 3-pole | 282 |
| 4-pole | 290 |


4

# Cable assembly ▶ *WINSTA*® RD ▶ 774 Series
## Pole number: 3 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$



- For round conduits and ducts
- 3- and 4-pole pre-assembled cables with 17.5 mm (0.0689 inch) outer diameter for easy plug & play
- Plug-in integration into the electrical installations of hollow-wall boxes via adapter, for example

| Electrical data | | | | | | |
|---|---|---|---|---|---|---|
| Coding | A; S | | | A | | |
| Wire cross-section | 1.5 mm² | | | 2.5 mm² | | |
| Ratings per | IEC/EN 60664-1 | | | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 250 V | - | - | 250 V | - | - |
| Rated surge voltage | 4 kV | - | - | 4 kV | - | - |
| Rated current | 16 A | - | - | 20 A | - | - |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| Fire class per EN 50575 | $E_{ca}$ |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | Approx. 30 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 30 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | when locked: > 80N |
| Protection type | IP20 |
| Note on protection type | When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

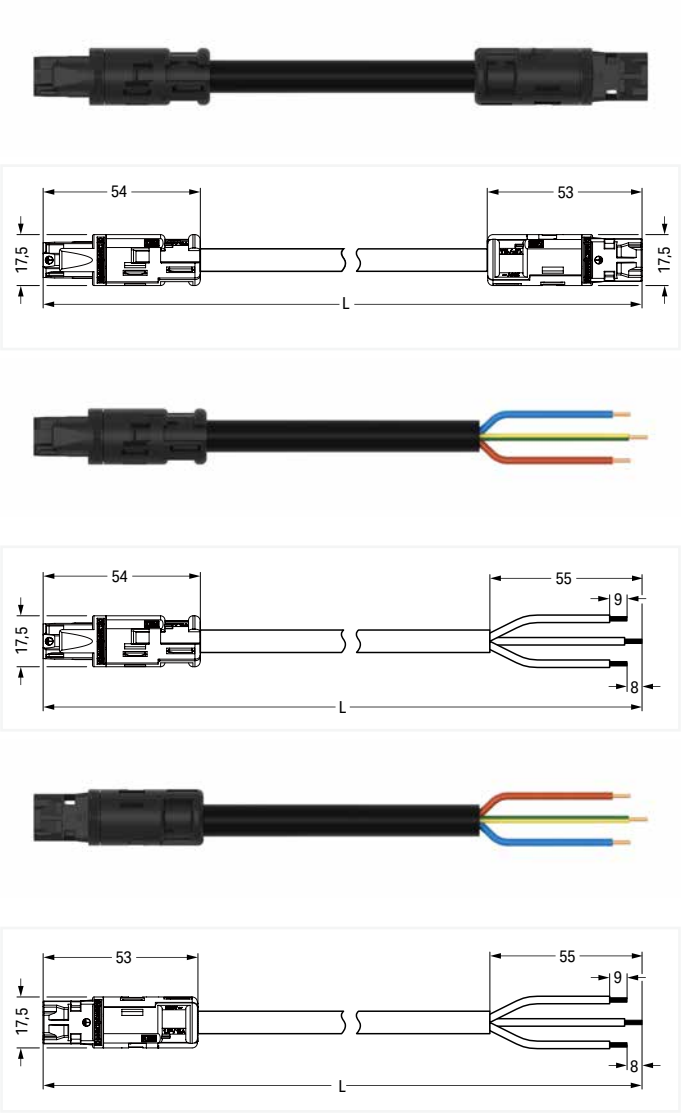
Cables with a different fire class can be found in the eSHOP.

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while incorrectly rotated
c.) plugging while laterally staggered


| | |
|---|---|
| Coding | Page 371 |
| Cover | Page 368 |
| See technical section for further information | |
| Approvals and corresponding ratings, visit www.wago.com | |

# Cable assembly ▶ *WINSTA*® RD ▶ 774 Series

Pole number: 3 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 1.5 mm² ▶ Marking: L ⏚ N ▶ PVC ▶ Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05VV-F 3G1.5




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 774-9993/006-101 | 774-9993/006-102 | | 1 |
| 2 m | 774-9993/006-201 | 774-9993/006-202 | | 1 |
| 3 m | 774-9993/006-301 | 774-9993/006-302 | | 1 |
| 4 m | 774-9993/006-401 | 774-9993/006-402 | | 1 |
| 5 m | 774-9993/006-501 | 774-9993/006-502 | | 1 |
| 6 m | 774-9993/006-601 | 774-9993/006-602 | | 1 |
| 7 m | 774-9993/006-701 | 774-9993/006-702 | | 1 |
| 8 m | 774-9993/006-801 | 774-9993/006-802 | | 1 |

Connecting cable ▶ Socket - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 774-9993/106-101 | 774-9993/106-102 | | 1 |
| 2 m | 774-9993/106-201 | 774-9993/106-202 | | 1 |
| 3 m | 774-9993/106-301 | 774-9993/106-302 | | 1 |
| 4 m | 774-9993/106-401 | 774-9993/106-402 | | 1 |
| 5 m | 774-9993/106-501 | 774-9993/106-502 | | 1 |
| 6 m | 774-9993/106-601 | 774-9993/106-602 | | 1 |
| 7 m | 774-9993/106-701 | 774-9993/106-702 | | 1 |
| 8 m | 774-9993/106-801 | 774-9993/106-802 | | 1 |

Connecting cable ▶ Plug - free end

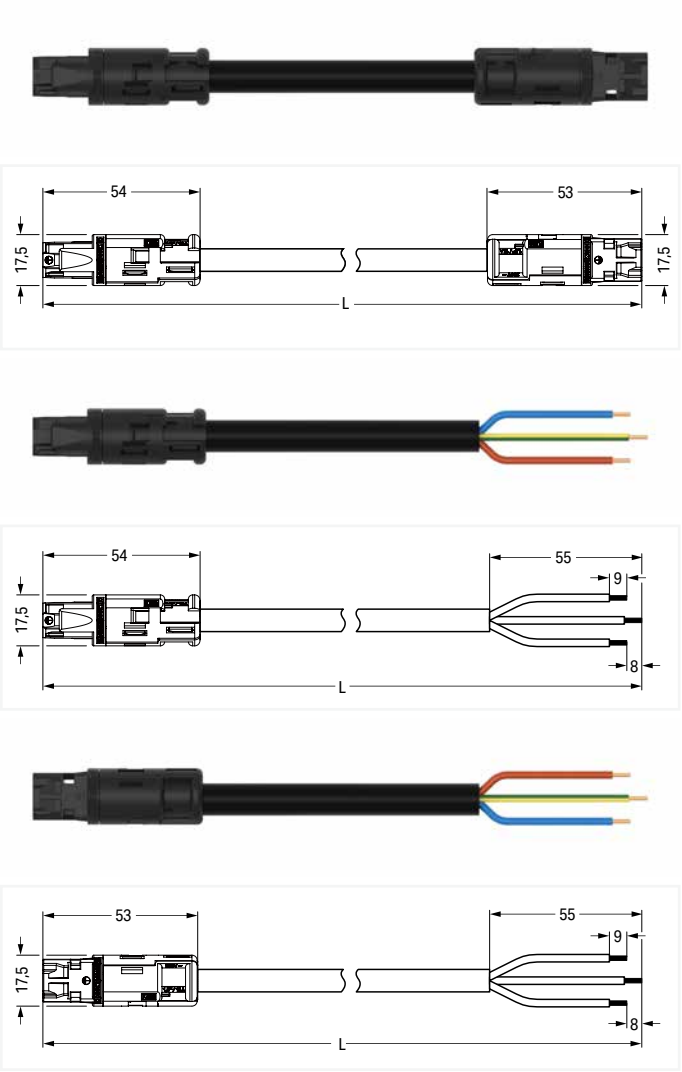
| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 774-9993/206-101 | 774-9993/206-102 | | 1 |
| 2 m | 774-9993/206-201 | 774-9993/206-202 | | 1 |
| 3 m | 774-9993/206-301 | 774-9993/206-302 | | 1 |
| 4 m | 774-9993/206-401 | 774-9993/206-402 | | 1 |
| 5 m | 774-9993/206-501 | 774-9993/206-502 | | 1 |
| 6 m | 774-9993/206-601 | 774-9993/206-602 | | 1 |
| 7 m | 774-9993/206-701 | 774-9993/206-702 | | 1 |
| 8 m | 774-9993/206-801 | 774-9993/206-802 | | 1 |



PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® RD ▶ 774 Series

Pole number: 3 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 1.5 mm² ▶ Marking: L ⏚ N ▶ Halogen-free ▶ Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05Z1Z1-F 3G1.5




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 774-9993/016-101 | 774-9993/016-102 | | 1 |
| 2 m | 774-9993/016-201 | 774-9993/016-202 | | 1 |
| 3 m | 774-9993/016-301 | 774-9993/016-302 | | 1 |
| 4 m | 774-9993/016-401 | 774-9993/016-402 | | 1 |
| 5 m | 774-9993/016-501 | 774-9993/016-502 | | 1 |
| 6 m | 774-9993/016-601 | 774-9993/016-602 | | 1 |
| 7 m | 774-9993/016-701 | 774-9993/016-702 | | 1 |
| 8 m | 774-9993/016-801 | 774-9993/016-802 | | 1 |

Connecting cable ▶ Socket - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 774-9993/116-101 | 774-9993/116-102 | | 1 |
| 2 m | 774-9993/116-201 | 774-9993/116-202 | | 1 |
| 3 m | 774-9993/116-301 | 774-9993/116-302 | | 1 |
| 4 m | 774-9993/116-401 | 774-9993/116-402 | | 1 |
| 5 m | 774-9993/116-501 | 774-9993/116-502 | | 1 |
| 6 m | 774-9993/116-601 | 774-9993/116-602 | | 1 |
| 7 m | 774-9993/116-701 | 774-9993/116-702 | | 1 |
| 8 m | 774-9993/116-801 | 774-9993/116-802 | | 1 |

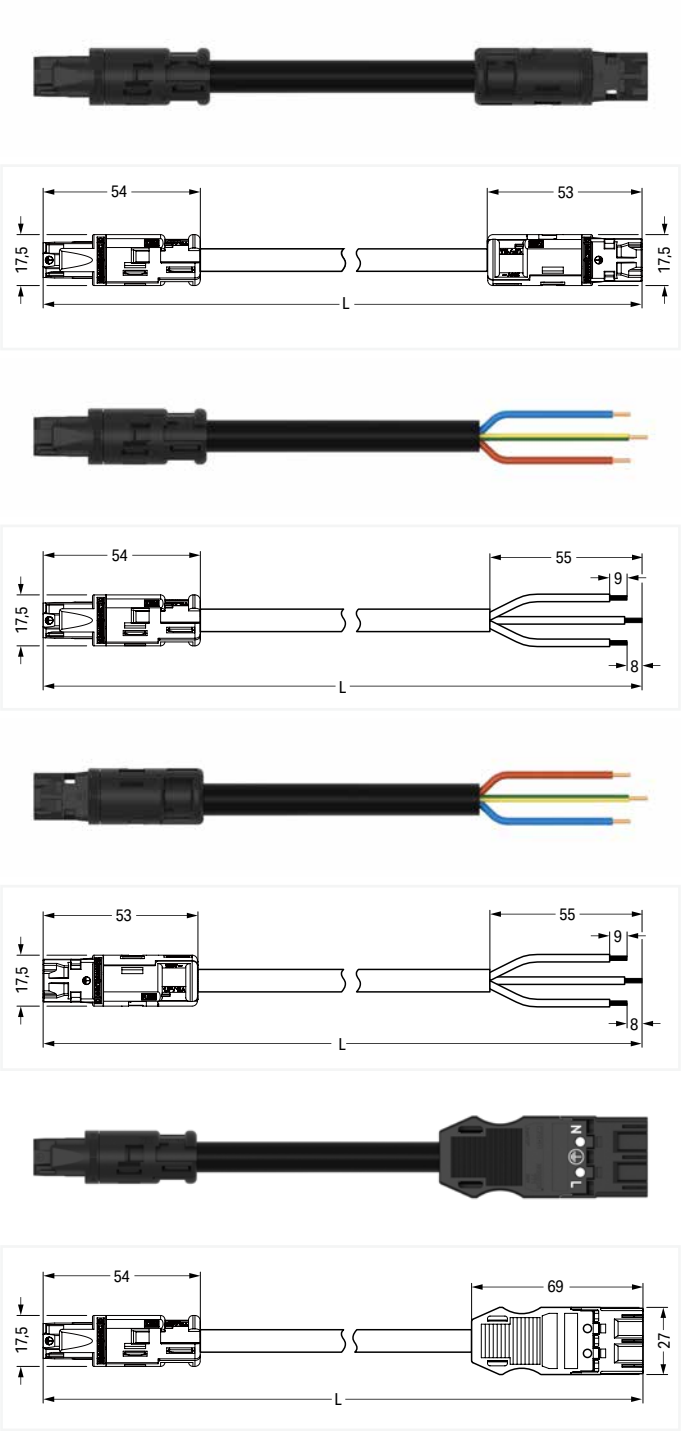
Connecting cable ▶ Plug - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 774-9993/216-101 | 774-9993/216-102 | | 1 |
| 2 m | 774-9993/216-201 | 774-9993/216-202 | | 1 |
| 3 m | 774-9993/216-301 | 774-9993/216-302 | | 1 |
| 4 m | 774-9993/216-401 | 774-9993/216-402 | | 1 |
| 5 m | 774-9993/216-501 | 774-9993/216-502 | | 1 |
| 6 m | 774-9993/216-601 | 774-9993/216-602 | | 1 |
| 7 m | 774-9993/216-701 | 774-9993/216-702 | | 1 |
| 8 m | 774-9993/216-801 | 774-9993/216-802 | | 1 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® RD ▶ 774 Series

Pole number: 3 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 2.5 mm² ▶ Marking: L ⏚ N ▶ PVC ▶ Sheathed cable diameter: 9.2 … 11.4 mm ▶ H05VV-F 3G2.5




## Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 774-9993/007-101 | 774-9993/007-102 | | 1 |
| 2 m | 774-9993/007-201 | 774-9993/007-202 | | 1 |
| 3 m | 774-9993/007-301 | 774-9993/007-302 | | 1 |
| 4 m | 774-9993/007-401 | 774-9993/007-402 | | 1 |
| 5 m | 774-9993/007-501 | 774-9993/007-502 | | 1 |
| 6 m | 774-9993/007-601 | 774-9993/007-602 | | 1 |
| 7 m | 774-9993/007-701 | 774-9993/007-702 | | 1 |
| 8 m | 774-9993/007-801 | 774-9993/007-802 | | 1 |

## Connecting cable ▶ Socket - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 774-9993/107-101 | 774-9993/107-102 | | 1 |
| 2 m | 774-9993/107-201 | 774-9993/107-202 | | 1 |
| 3 m | 774-9993/107-301 | 774-9993/107-302 | | 1 |
| 4 m | 774-9993/107-401 | 774-9993/107-402 | | 1 |
| 5 m | 774-9993/107-501 | 774-9993/107-502 | | 1 |
| 6 m | 774-9993/107-601 | 774-9993/107-602 | | 1 |
| 7 m | 774-9993/107-701 | 774-9993/107-702 | | 1 |
| 8 m | 774-9993/107-801 | 774-9993/107-802 | | 1 |

## Connecting cable ▶ Plug - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 774-9993/207-101 | 774-9993/207-102 | | 1 |
| 2 m | 774-9993/207-201 | 774-9993/207-202 | | 1 |
| 3 m | 774-9993/207-301 | 774-9993/207-302 | | 1 |
| 4 m | 774-9993/207-401 | 774-9993/207-402 | | 1 |
| 5 m | 774-9993/207-501 | 774-9993/207-502 | | 1 |
| 6 m | 774-9993/207-601 | 774-9993/207-602 | | 1 |
| 7 m | 774-9993/207-701 | 774-9993/207-702 | | 1 |
| 8 m | 774-9993/207-801 | 774-9993/207-802 | | 1 |

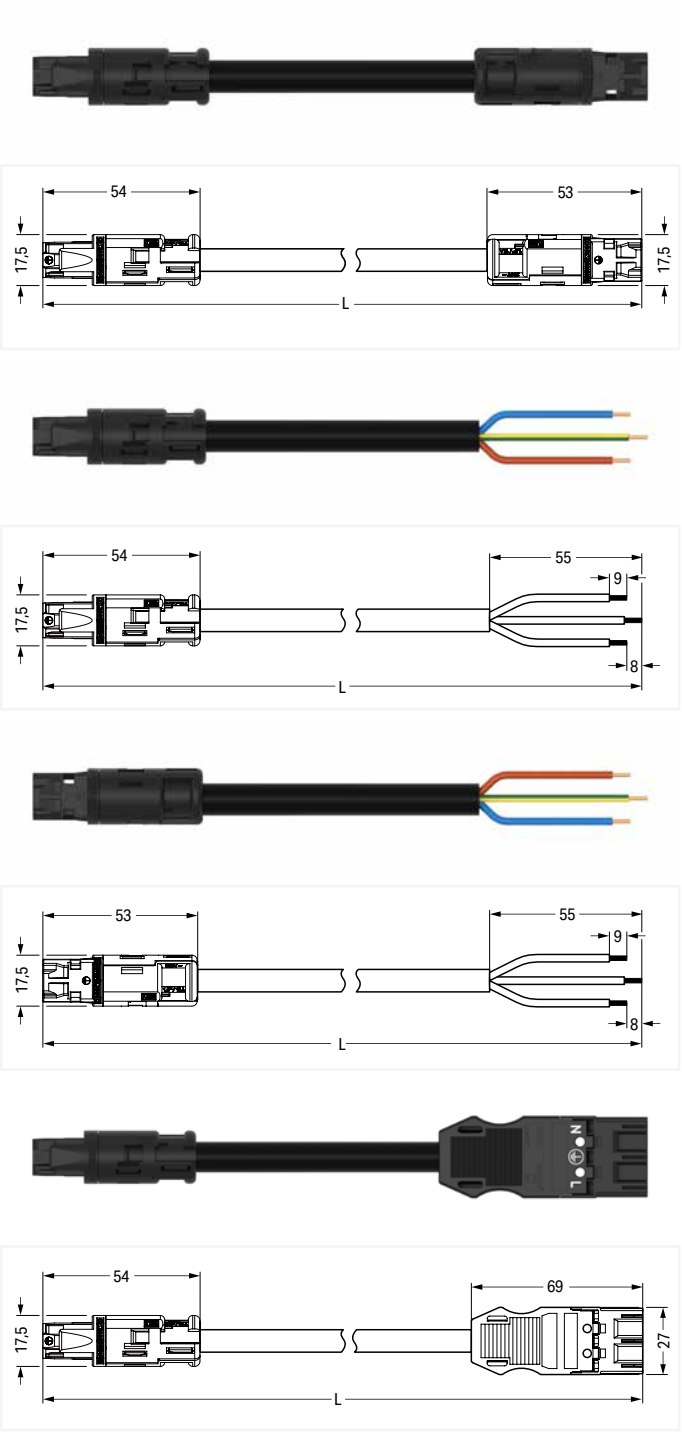
## Adapter cable ▶ RD socket - MIDI plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | | | |
| 1 m | 774-9993/1507-101 | | | 1 |
| 2 m | 774-9993/1507-201 | | | 1 |
| 3 m | 774-9993/1507-301 | | | 1 |
| 4 m | 774-9993/1507-401 | | | 1 |
| 5 m | 774-9993/1507-501 | | | 1 |
| 6 m | 774-9993/1507-601 | | | 1 |
| 7 m | 774-9993/1507-701 | | | 1 |
| 8 m | 774-9993/1507-801 | | | 1 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® RD ▶ 774 Series

Pole number: 3 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: A ▶ 2.5 mm² ▶ Marking: L ⏚ N ▶ Halogen-free ▶ Sheathed cable diameter: 9.2 … 11.4 mm ▶ H05Z1Z1-F 3G2.5




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 774-9993/017-101 | 774-9993/017-102 | | 1 |
| 2 m | 774-9993/017-201 | 774-9993/017-202 | | 1 |
| 3 m | 774-9993/017-301 | 774-9993/017-302 | | 1 |
| 4 m | 774-9993/017-401 | 774-9993/017-402 | | 1 |
| 5 m | 774-9993/017-501 | 774-9993/017-502 | | 1 |
| 6 m | 774-9993/017-601 | 774-9993/017-602 | | 1 |
| 7 m | 774-9993/017-701 | 774-9993/017-702 | | 1 |
| 8 m | 774-9993/017-801 | 774-9993/017-802 | | 1 |

Connecting cable ▶ Socket - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 774-9993/117-101 | 774-9993/117-102 | | 1 |
| 2 m | 774-9993/117-201 | 774-9993/117-202 | | 1 |
| 3 m | 774-9993/117-301 | 774-9993/117-302 | | 1 |
| 4 m | 774-9993/117-401 | 774-9993/117-402 | | 1 |
| 5 m | 774-9993/117-501 | 774-9993/117-502 | | 1 |
| 6 m | 774-9993/117-601 | 774-9993/117-602 | | 1 |
| 7 m | 774-9993/117-701 | 774-9993/117-702 | | 1 |
| 8 m | 774-9993/117-801 | 774-9993/117-802 | | 1 |

Connecting cable ▶ Plug - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 774-9993/217-101 | 774-9993/217-102 | | 1 |
| 2 m | 774-9993/217-201 | 774-9993/217-202 | | 1 |
| 3 m | 774-9993/217-301 | 774-9993/217-302 | | 1 |
| 4 m | 774-9993/217-401 | 774-9993/217-402 | | 1 |
| 5 m | 774-9993/217-501 | 774-9993/217-502 | | 1 |
| 6 m | 774-9993/217-601 | 774-9993/217-602 | | 1 |
| 7 m | 774-9993/217-701 | 774-9993/217-702 | | 1 |
| 8 m | 774-9993/217-801 | 774-9993/217-802 | | 1 |

Adapter cable ▶ RD socket - MIDI plug

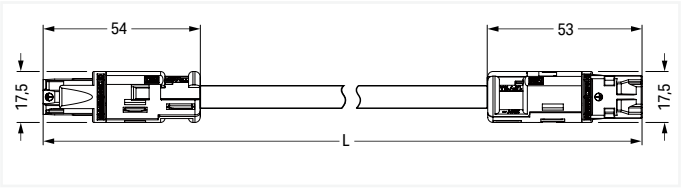
| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | | | |
| 1 m | 774-9993/1517-101 | | | 1 |
| 2 m | 774-9993/1517-201 | | | 1 |
| 3 m | 774-9993/1517-301 | | | 1 |
| 4 m | 774-9993/1517-401 | | | 1 |
| 5 m | 774-9993/1517-501 | | | 1 |
| 6 m | 774-9993/1517-601 | | | 1 |
| 7 m | 774-9993/1517-701 | | | 1 |
| 8 m | 774-9993/1517-801 | | | 1 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® RD ▶ 774 Series

Pole number: 3 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: S ▶ 1.5 mm² ▶ Marking: 1 2 L ▶ PVC ▶ Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05VV-F 3x1.5

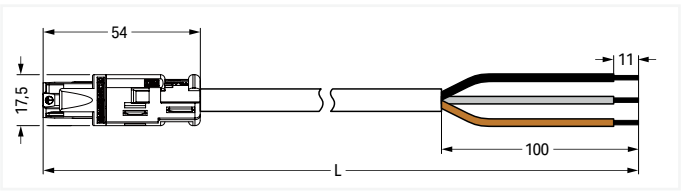





## Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | brown / black | | | |
| 1 m | 774-9973/006-105 | | | 1 |
| 2 m | 774-9973/006-205 | | | 1 |
| 3 m | 774-9973/006-305 | | | 1 |
| 4 m | 774-9973/006-405 | | | 1 |
| 5 m | 774-9973/006-505 | | | 1 |
| 6 m | 774-9973/006-605 | | | 1 |
| 7 m | 774-9973/006-705 | | | 1 |
| 8 m | 774-9973/006-805 | | | 1 |

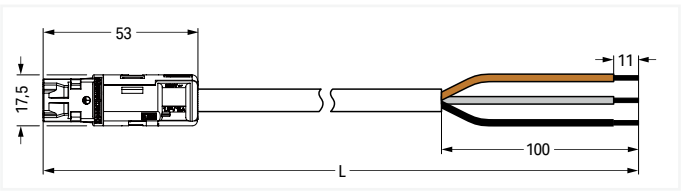





## Connecting cable ▶ Socket - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | brown / black | | | |
| 1 m | 774-9973/106-105 | | | 1 |
| 2 m | 774-9973/106-205 | | | 1 |
| 3 m | 774-9973/106-305 | | | 1 |
| 4 m | 774-9973/106-405 | | | 1 |
| 5 m | 774-9973/106-505 | | | 1 |
| 6 m | 774-9973/106-605 | | | 1 |
| 7 m | 774-9973/106-705 | | | 1 |
| 8 m | 774-9973/106-805 | | | 1 |

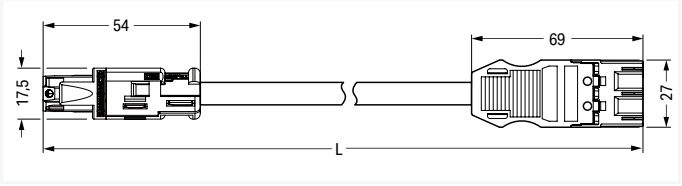





## Connecting cable ▶ Plug - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | brown / black | | | |
| 1 m | 774-9973/206-105 | | | 1 |
| 2 m | 774-9973/206-205 | | | 1 |
| 3 m | 774-9973/206-305 | | | 1 |
| 4 m | 774-9973/206-405 | | | 1 |
| 5 m | 774-9973/206-505 | | | 1 |
| 6 m | 774-9973/206-605 | | | 1 |
| 7 m | 774-9973/206-705 | | | 1 |
| 8 m | 774-9973/206-805 | | | 1 |






## Adapter cable ▶ RD socket - MIDI plug

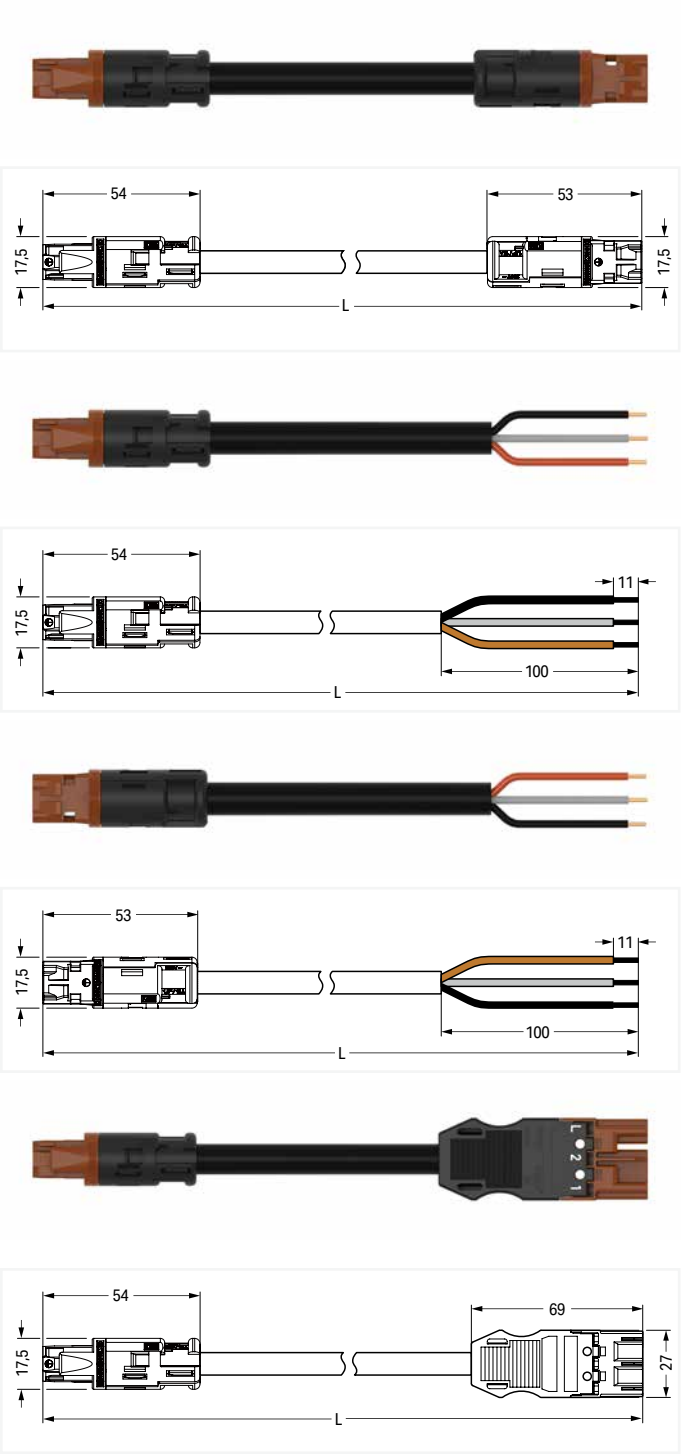
| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | brown / black | | | |
| 1 m | 774-9973/1506-105 | | | 1 |
| 2 m | 774-9973/1506-205 | | | 1 |
| 3 m | 774-9973/1506-305 | | | 1 |
| 4 m | 774-9973/1506-405 | | | 1 |
| 5 m | 774-9973/1506-505 | | | 1 |
| 6 m | 774-9973/1506-605 | | | 1 |
| 7 m | 774-9973/1506-705 | | | 1 |
| 8 m | 774-9973/1506-805 | | | 1 |

4

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® RD ▶ 774 Series

Pole number: 3 ▶ Protection type: IP20 ▶ Fire class per EN 50575: $E_{ca}$ ▶ Coding: S ▶ 1.5 mm² ▶ Marking: 1 2 L ▶ Halogen-free ▶ Sheathed cable diameter: 7.4 … 9.4 mm ▶ H05Z1Z1-F 3x1.5




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | brown / black | | | |
| 1 m | 774-9973/016-105 | | | 1 |
| 2 m | 774-9973/016-205 | | | 1 |
| 3 m | 774-9973/016-305 | | | 1 |
| 4 m | 774-9973/016-405 | | | 1 |
| 5 m | 774-9973/016-505 | | | 1 |
| 6 m | 774-9973/016-605 | | | 1 |
| 7 m | 774-9973/016-705 | | | 1 |
| 8 m | 774-9973/016-805 | | | 1 |

Connecting cable ▶ Socket - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | brown / black | | | |
| 1 m | 774-9973/116-105 | | | 1 |
| 2 m | 774-9973/116-205 | | | 1 |
| 3 m | 774-9973/116-305 | | | 1 |
| 4 m | 774-9973/116-405 | | | 1 |
| 5 m | 774-9973/116-505 | | | 1 |
| 6 m | 774-9973/116-605 | | | 1 |
| 7 m | 774-9973/116-705 | | | 1 |
| 8 m | 774-9973/116-805 | | | 1 |

Connecting cable ▶ Plug - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | brown / black | | | |
| 1 m | 774-9973/216-105 | | | 1 |
| 2 m | 774-9973/216-205 | | | 1 |
| 3 m | 774-9973/216-305 | | | 1 |
| 4 m | 774-9973/216-405 | | | 1 |
| 5 m | 774-9973/216-505 | | | 1 |
| 6 m | 774-9973/216-605 | | | 1 |
| 7 m | 774-9973/216-705 | | | 1 |
| 8 m | 774-9973/216-805 | | | 1 |

Adapter cable ▶ RD socket - MIDI plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | brown / black | | | |
| 1 m | 774-9973/1516-105 | | | 1 |
| 2 m | 774-9973/1516-205 | | | 1 |
| 3 m | 774-9973/1516-305 | | | 1 |
| 4 m | 774-9973/1516-405 | | | 1 |
| 5 m | 774-9973/1516-505 | | | 1 |
| 6 m | 774-9973/1516-605 | | | 1 |
| 7 m | 774-9973/1516-705 | | | 1 |
| 8 m | 774-9973/1516-805 | | | 1 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® RD ▶ 774 Series

Pole number: 4 ▶ Protection type: IP20 ▶ Coding: A ▶ 1.5 mm² ▶ Marking: N ⏚ 2 1 ▶ Sheathed cable diameter: 8.4 … 10.5 mm ▶ Fire class per EN 50575: $E_{ca}$



- For round conduits and ducts
- 3- and 4-pole pre-assembled cables with 17.5 mm (0.0689 inch) outer diameter for easy plug & play
- Plug-in integration into the electrical installations of hollow-wall boxes via adapter, for example

| Electrical data | | | |
|---|---|---|---|
| Coding | A | | |
| Ratings per | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 250 V | - | - |
| Rated surge voltage | 4 kV | - | - |
| Rated current | 16 A | - | - |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| Fire class per EN 50575 | $E_{ca}$ |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200, without resistive load |
| Mating force of a plug-in connection | Approx. 30 … 70 N (depending on pole number) |
| Unmating force of a plug-in connection | Unlocked: approx. 30 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | when locked: > 80N |
| Protection type | IP20 |
| Note on protection type | When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

Cables with a different fire class can be found in the eShop.

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while incorrectly rotated
c.) plugging while laterally staggered

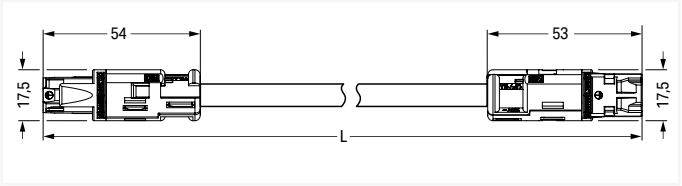
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

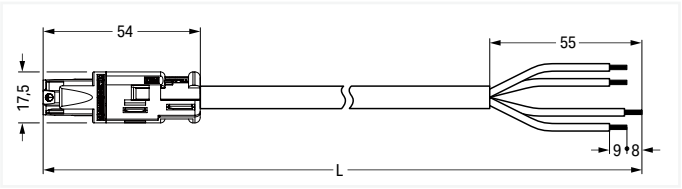
# Cable assembly ▶ *WINSTA*® RD ▶ 774 Series

Pole number: 4 ▶ Protection type: IP20 ▶ Coding: A ▶ 1.5 mm² ▶ Marking: N ⏚ 2 1 ▶ Sheathed cable diameter: 8.4 … 10.5 mm ▶ Fire class per EN 50575: $E_{ca}$ ▶ PVC ▶ H05VV-F 4G1.5

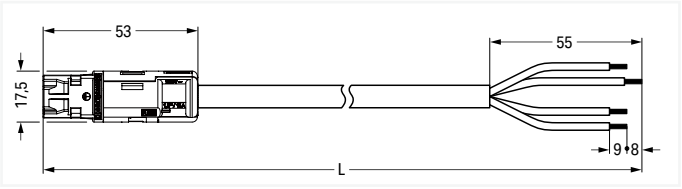









| Interconnecting cable ▶ Socket - Plug | | | | |
|---|---|---|---|---|
| Total length | Connector color / Strain relief color | | | PU |
| | black / black | white / white | | |
| 1 m | 774-9994/006-101 | 774-9994/006-102 | | 1 |
| 2 m | 774-9994/006-201 | 774-9994/006-202 | | 1 |
| 3 m | 774-9994/006-301 | 774-9994/006-302 | | 1 |
| 4 m | 774-9994/006-401 | 774-9994/006-402 | | 1 |
| 5 m | 774-9994/006-501 | 774-9994/006-502 | | 1 |
| 6 m | 774-9994/006-601 | 774-9994/006-602 | | 1 |
| 7 m | 774-9994/006-701 | 774-9994/006-702 | | 1 |
| 8 m | 774-9994/006-801 | 774-9994/006-802 | | 1 |

| Connecting cable ▶ Socket - free end | | | | |
|---|---|---|---|---|
| Total length | Connector color / Strain relief color | | | PU |
| | black / black | white / white | | |
| 1 m | 774-9994/106-101 | 774-9994/106-102 | | 1 |
| 2 m | 774-9994/106-201 | 774-9994/106-202 | | 1 |
| 3 m | 774-9994/106-301 | 774-9994/106-302 | | 1 |
| 4 m | 774-9994/106-401 | 774-9994/106-402 | | 1 |
| 5 m | 774-9994/106-501 | 774-9994/106-502 | | 1 |
| 6 m | 774-9994/106-601 | 774-9994/106-602 | | 1 |
| 7 m | 774-9994/106-701 | 774-9994/106-702 | | 1 |
| 8 m | 774-9994/106-801 | 774-9994/106-802 | | 1 |

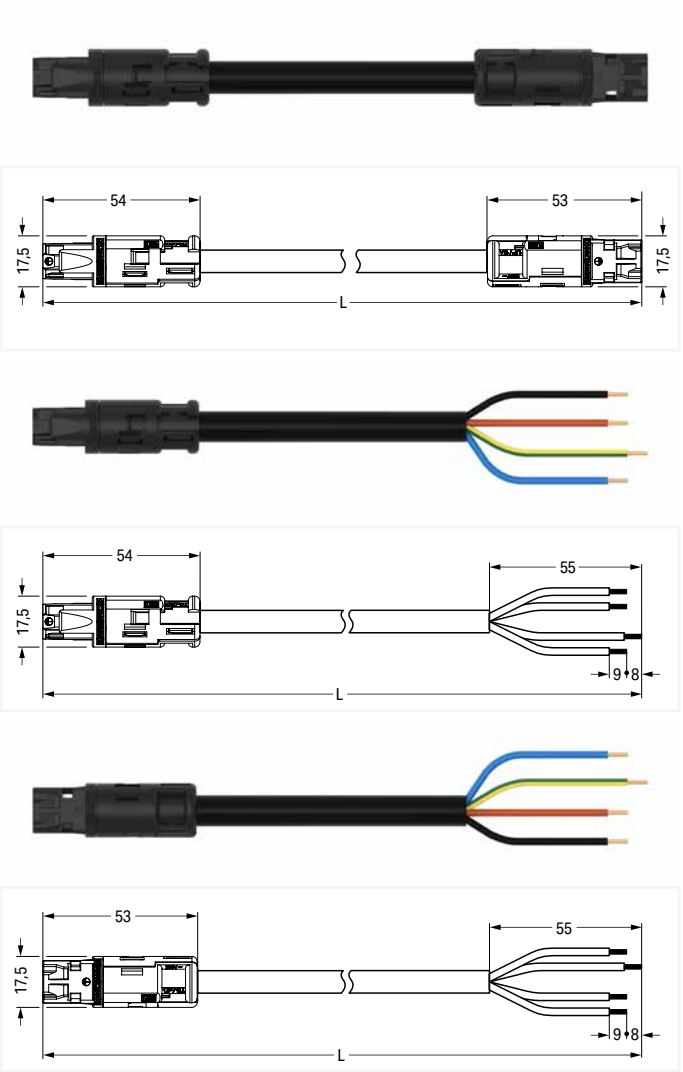
| Connecting cable ▶ Plug - free end | | | | |
|---|---|---|---|---|
| Total length | Connector color / Strain relief color | | | PU |
| | black / black | white / white | | |
| 1 m | 774-9994/206-101 | 774-9994/206-102 | | 1 |
| 2 m | 774-9994/206-201 | 774-9994/206-202 | | 1 |
| 3 m | 774-9994/206-301 | 774-9994/206-302 | | 1 |
| 4 m | 774-9994/206-401 | 774-9994/206-402 | | 1 |
| 5 m | 774-9994/206-501 | 774-9994/206-502 | | 1 |
| 6 m | 774-9994/206-601 | 774-9994/206-602 | | 1 |
| 7 m | 774-9994/206-701 | 774-9994/206-702 | | 1 |
| 8 m | 774-9994/206-801 | 774-9994/206-802 | | 1 |



PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

## Cable assembly ▶ *WINSTA*® RD ▶ 774 Series

Pole number: 4 ▶ Protection type: IP20 ▶ Coding: A ▶ 1.5 mm² ▶ Marking: N ⏚ 2 1 ▶ Sheathed cable diameter: 8.4 … 10.5 mm ▶ Fire class per EN 50575: $E_{ca}$ ▶ Halogen-free ▶ H05Z1Z1-F 4G1.5




Interconnecting cable ▶ Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 774-9994/016-101 | 774-9994/016-102 | | 1 |
| 2 m | 774-9994/016-201 | 774-9994/016-202 | | 1 |
| 3 m | 774-9994/016-301 | 774-9994/016-302 | | 1 |
| 4 m | 774-9994/016-401 | 774-9994/016-402 | | 1 |
| 5 m | 774-9994/016-501 | 774-9994/016-502 | | 1 |
| 6 m | 774-9994/016-601 | 774-9994/016-602 | | 1 |
| 7 m | 774-9994/016-701 | 774-9994/016-702 | | 1 |
| 8 m | 774-9994/016-801 | 774-9994/016-802 | | 1 |

Connecting cable ▶ Socket - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 774-9994/116-101 | 774-9994/116-102 | | 1 |
| 2 m | 774-9994/116-201 | 774-9994/116-202 | | 1 |
| 3 m | 774-9994/116-301 | 774-9994/116-302 | | 1 |
| 4 m | 774-9994/116-401 | 774-9994/116-402 | | 1 |
| 5 m | 774-9994/116-501 | 774-9994/116-502 | | 1 |
| 6 m | 774-9994/116-601 | 774-9994/116-602 | | 1 |
| 7 m | 774-9994/116-701 | 774-9994/116-702 | | 1 |
| 8 m | 774-9994/116-801 | 774-9994/116-802 | | 1 |

Connecting cable ▶ Plug - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | black / black | white / white | | |
| 1 m | 774-9994/216-101 | 774-9994/216-102 | | 1 |
| 2 m | 774-9994/216-201 | 774-9994/216-202 | | 1 |
| 3 m | 774-9994/216-301 | 774-9994/216-302 | | 1 |
| 4 m | 774-9994/216-401 | 774-9994/216-402 | | 1 |
| 5 m | 774-9994/216-501 | 774-9994/216-502 | | 1 |
| 6 m | 774-9994/216-601 | 774-9994/216-602 | | 1 |
| 7 m | 774-9994/216-701 | 774-9994/216-702 | | 1 |
| 8 m | 774-9994/216-801 | 774-9994/216-802 | | 1 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm



# WAGO Pluggable Connection System *WINSTA*® KNX

PUSH WIRE®

# WAGO Pluggable Connection System *WINSTA*® KNX ▸ 893, 894 Series
# Ø 0.8 mm / 3 A

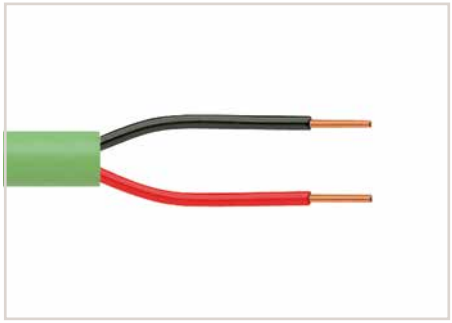
Note:
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Installation connector systems are not a substitute for residential connector/socket systems.

- *WINSTA*® KNX Connectors are not intended for installation in open or easily accessible areas.

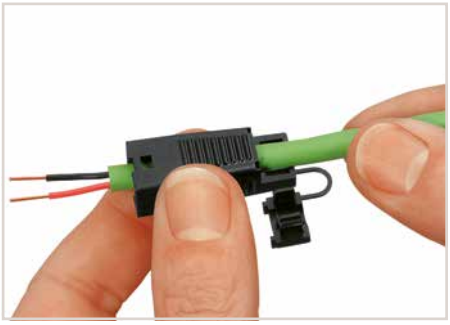

| | | Page |
|---|---|---|
|  | **Pluggable Connectors; 893 Series**<br>2-pole | 298 |
|  | **Snap-In Device Connectors; 893 Series**<br>2-pole | 300 |
|  | **Distribution Connectors; 893 Series**<br>2-pole | 302 |
|  | **Cable Assemblies; 894 Series**<br>Ø 2 x 0.8 mm | 304 |


5

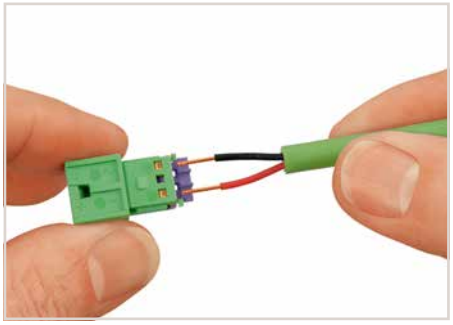
# *WINSTA*® KNX ▸ 893, 894 Series
## Description and Installation



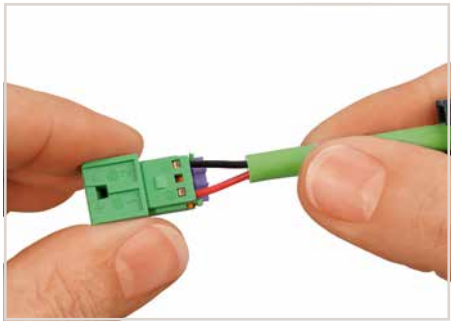
1. Strip length, outer insulation = 23 mm
2. Strip length = 9 mm



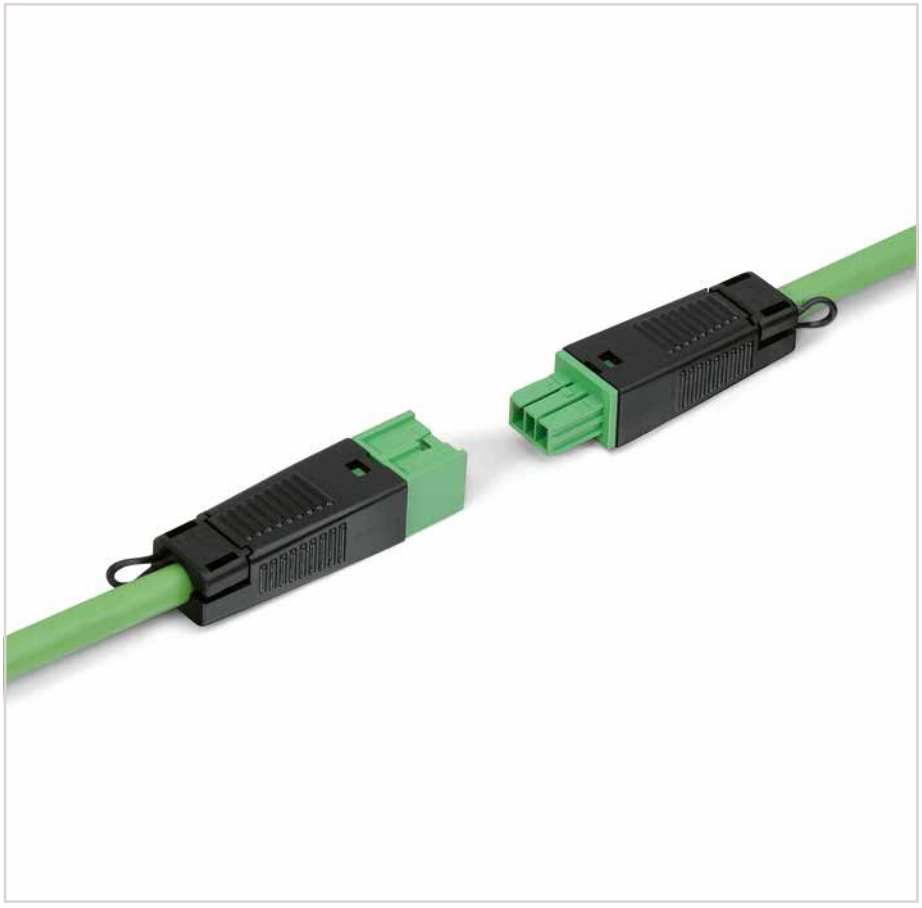
Prior to termination, pull the strain relief housing over the cable.

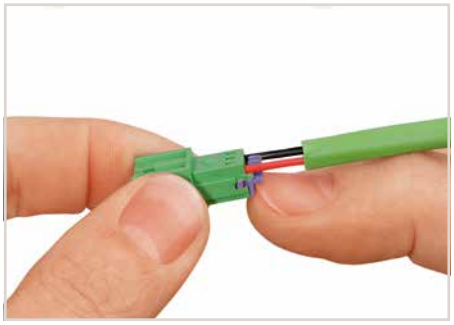


Insert stripped conductors directly into the conductor entries.

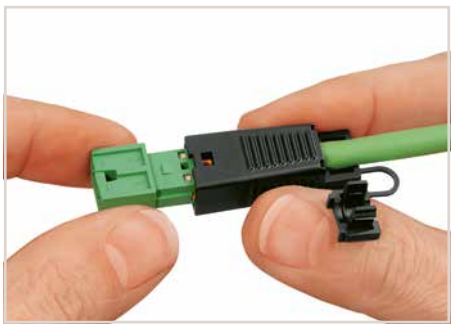


Push conductors until they hit backstop.

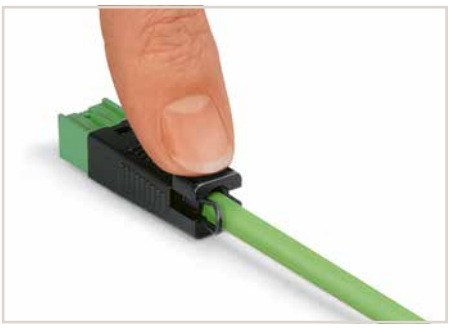




To disconnect, open clamping unit using the actuator and pull out the conductor.



Snap wired connector into the strain relief housing.



Press strain relief firmly on the cable.



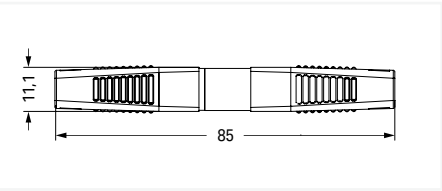
Pre-assembled KNX connector

# Pluggable connectors ▶ *WINSTA*® KNX ▶ 893 Series
## Pole number: 2



- For low voltages up to 50 V
- Compact size, standardized interface
- Available in two different custom coding options with protection against mismating

Dimensions in mm




| | | | | |
|---|---|---|---|---|
| **Electrical data** | | | | |
| **Coding** | | **E; F** | | |
| **Ratings per** | | **IEC/EN 60664-1** | | |
| Overvoltage category | III | III | II | |
| Pollution degree | 3 | 2 | 2 | |
| Nominal voltage | 50 V | - | - | |
| Rated surge voltage | 0.8 kV | - | - | |
| Rated current | 3 A | - | - | |

| | |
|---|---|
| **Connection data** | |
| Connection technology | PUSH WIRE® |
| Strip length | 9 mm / 0.35 inches |
| Conductor diameter | 0.8 mm |
| **Material Data** | |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper alloy; surface-treated |
| Contact plating | Tin |
| **Mechanical Data** | |
| Number of mating cycles | 200 |
| Mating force of a plug-in connection | Approx. 10 … 15 N |
| Unmating force of a plug-in connection | Unlocked: approx. 15 … 20 N |
| Retention force of a plug-in connection | Locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | Only when mated and secured with a strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.) |
| **Environmental requirements** | |
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Pluggable connectors ▸ *WINSTA*® KNX ▸ 893 Series
## Pole number: 2

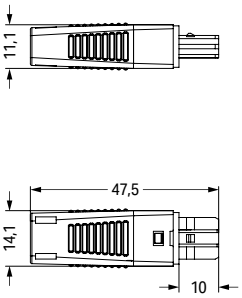
### Female connector/socket



893-1002

| Coding:E | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| green | E | 1+ 2- | 893-1002 | 50 |

| Coding:F | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| light gray | F | 1+ 2- | 893-1022 | 50 |



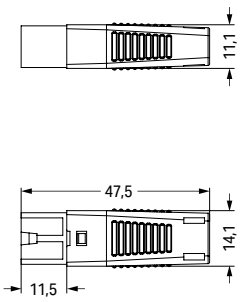

### Male connector/plug



893-1012

| Coding:E | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| green | E | 1+ 2- | 893-1012 | 50 |

| Coding:F | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| light gray | F | 1+ 2- | 893-1032 | 50 |




PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Snap-in device connector ▶ *WINSTA*® KNX ▶ 893 Series
Pole number: 2



- For low voltages up to 50 V
- Compact size, standardized interface
- Available in two different custom coding options with protection against mismating

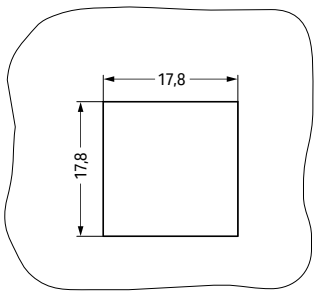



Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

| Electrical data | | | |
|---|---|---|---|
| Coding | E; F | | |
| Ratings per | IEC/EN 60664-1 | | |
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 50 V | - | - |
| Rated surge voltage | 0.8 kV | - | - |
| Rated current | 3 A | - | - |

| Connection data | |
|---|---|
| Connection technology | PUSH WIRE® |
| Strip length | 9 mm / 0.35 inches |
| Conductor diameter | 0.8 mm |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200 |
| Mating force of a plug-in connection | Approx. 10 … 15 N |
| Unmating force of a plug-in connection | Unlocked: approx. 15 … 20 N |
| Retention force of a plug-in connection | Locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | Only when mated and secured with a strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Snap-in device connector ▶ *WINSTA*® KNX ▶ 893 Series
## Pole number: 2

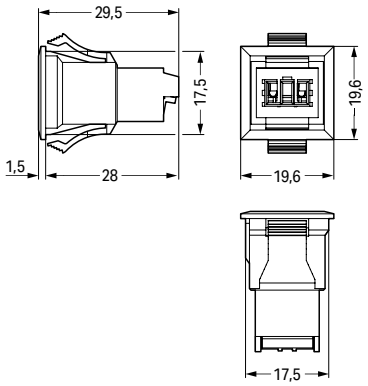
Female connector/socket



893-2002

| Coding:E | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| green | E | 1+ 2- | 893-2002 | 50 |

| Coding:F | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| light gray | F | 1+ 2- | 893-2022 | 50 |



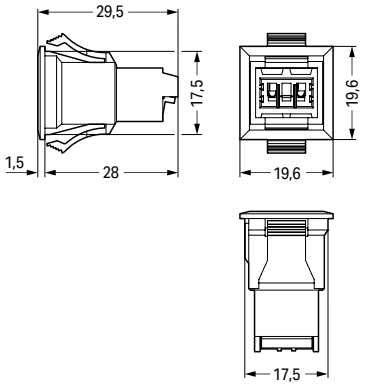

Male connector/plug



893-2012

| Coding:E | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| green | E | 1+ 2- | 893-2012 | 50 |

| Coding:F | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| light gray | F | 1+ 2- | 893-2032 | 50 |



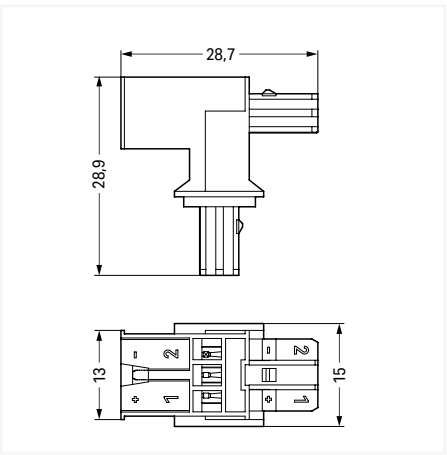

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Distribution connector ▶ *WINSTA*® KNX ▶ 893 Series

## Pole number: 2 ▶ T-distribution connector ▶ Number of locking levers: 2



- For low voltages up to 50 V
- Compact size, standardized interface
- Available in two different custom coding options with protection against mismating




| | | | |
|---|---|---|---|
| **Electrical data** | | | |
| **Coding** | **E; F** | | |
| **Ratings per** | **IEC/EN 60664-1** | | |
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 50 V | - | - |
| Rated surge voltage | 0.8 kV | - | - |
| Rated current | 3 A | - | - |

| | |
|---|---|
| **Material Data** | |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper alloy; surface-treated |
| Contact plating | Tin |
| **Mechanical Data** | |
| Number of mating cycles | 200 |
| Mating force of a plug-in connection | Approx. 10 … 15 N |
| Unmating force of a plug-in connection | Unlocked: approx. 15 … 20 N |
| Retention force of a plug-in connection | When locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | Only when mated and secured with a strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.) |
| **Environmental requirements** | |
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

## Distribution connector ▶ *WINSTA*® KNX ▶ 893 Series

Pole number: 2 ▶ T-distribution connector ▶ Number of locking levers: 2



893-1606

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| green | E | 1+ 2- | 893-1606 | 25 |



893-1656

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| light gray | F | 1+ 2- | 893-1656 | 25 |

5

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® KNX ▶ 894 Series
## Pole number: 2 ▶ Marking: 1+ 2-



- For low voltages up to 50 V
- Compact size, standardized interface
- Available in two different custom coding options with protection against mismating

| | | | | |
|---|---|---|---|---|
| **Electrical data** | | | | |
| **Coding** | **E; F** | | | |
| **Ratings per** | **IEC/EN 60664-1** | | | |
| Overvoltage category | III | III | II | |
| Pollution degree | 3 | 2 | 2 | |
| Nominal voltage | 50 V | - | - | |
| Rated surge voltage | 0.8 kV | - | - | |
| Rated current | 3 A | - | - | |
| **Connection data** | | | | |
| Conductor diameter | 0.8 mm | | | |
| **Material Data** | | | | |
| Insulation material | Polyamide (PA66) | | | |
| Contact material | Copper alloy; surface-treated | | | |
| Contact plating | Tin | | | |
| **Mechanical Data** | | | | |
| Number of mating cycles | 200 | | | |
| Mating force of a plug-in connection | Approx. 10 … 15 N | | | |
| Unmating force of a plug-in connection | Unlocked: approx. 15 … 20 N | | | |
| Retention force of a plug-in connection | when locked: > 80N | | | |
| Protection type | IP20 | | | |
| Note on protection type | Only when mated and secured with a strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.) | | | |
| **Environmental requirements** | | | | |
| Processing temperature | -5 … +40 °C | | | |
| Continuous operating temperature | -35 … +85 °C | | | |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C | | | |

Cables with a different fire class can be found in the eS-hop.

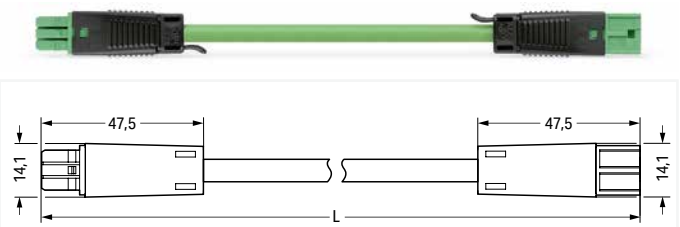
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

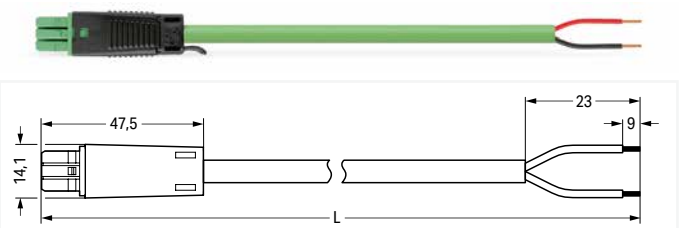
# Cable assembly ▶ *WINSTA*® KNX ▶ 894 Series

Pole number: 2 ▶ Marking: 1+ 2- ▶ Coding: E ▶ PVC ▶ UNITRONIC BUS EIB 2x2x0.8 ▶ Fire class per EN 50575: $E_{ca}$



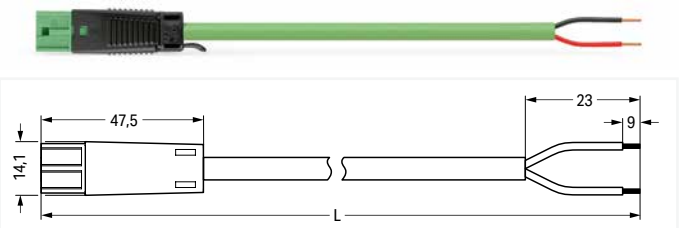

Interconnecting cable ▶ Connection type Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | green / black | | | |
| 1 m | 894-8992/033-106 | | | 1 |
| 3 m | 894-8992/033-306 | | | 1 |
| 5 m | 894-8992/033-506 | | | 1 |




Connecting cable ▶ Connection type Socket - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | green / black | | | |
| 1 m | 894-8992/133-106 | | | 1 |
| 3 m | 894-8992/133-306 | | | 1 |
| 5 m | 894-8992/133-506 | | | 1 |



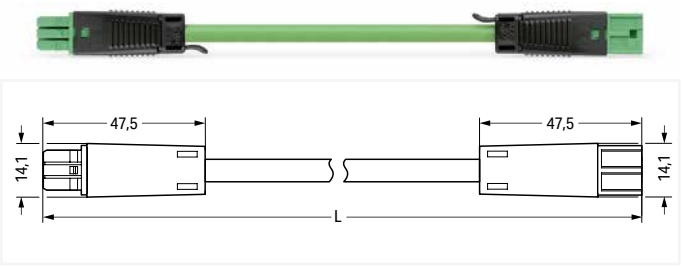

Connecting cable ▶ Connection type Plug - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | green / black | | | |
| 1 m | 894-8992/233-106 | | | 1 |
| 3 m | 894-8992/233-306 | | | 1 |
| 5 m | 894-8992/233-506 | | | 1 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Cable assembly ▶ *WINSTA*® KNX ▶ 894 Series

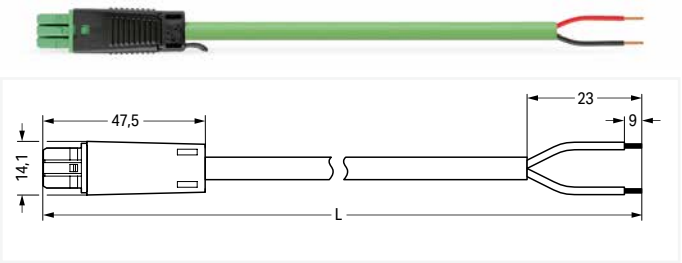
Pole number: 2 ▶ Marking: 1+ 2- ▶ Coding: E ▶ Halogen-free ▶ Y-H(St)Hh 1x2x0.8 ▶ Fire class per EN 50575: $C_{ca}$






Interconnecting cable ▶ Connection type Socket - Plug

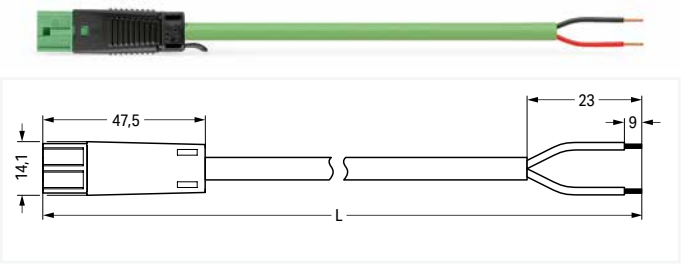
| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | green / black | | | |
| 1 m | 894-8392/073-106 | | | 1 |
| 3 m | 894-8392/073-306 | | | 1 |
| 5 m | 894-8392/073-506 | | | 1 |






Connecting cable ▶ Connection type Socket - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | green / black | | | |
| 1 m | 894-8392/173-106 | | | 1 |
| 3 m | 894-8392/173-306 | | | 1 |
| 5 m | 894-8392/173-506 | | | 1 |





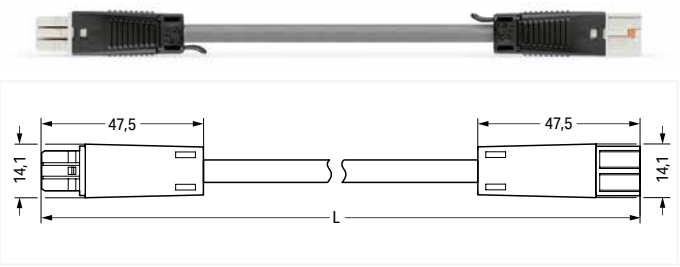

Connecting cable ▶ Connection type Plug - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | green / black | | | |
| 1 m | 894-8392/273-106 | | | 1 |
| 3 m | 894-8392/273-306 | | | 1 |
| 5 m | 894-8392/273-506 | | | 1 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

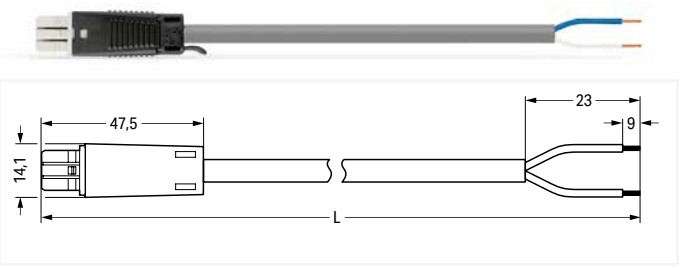
# Cable assembly ▶ *WINSTA*® KNX ▶ 894 Series

Pole number: 2 ▶ Marking: 1+ 2- ▶ Coding: F ▶ Halogen-free ▶ J-Y(ST)Y...LG 1x2x0.8 ▶ Fire class per EN 50575: $D_{ca}$



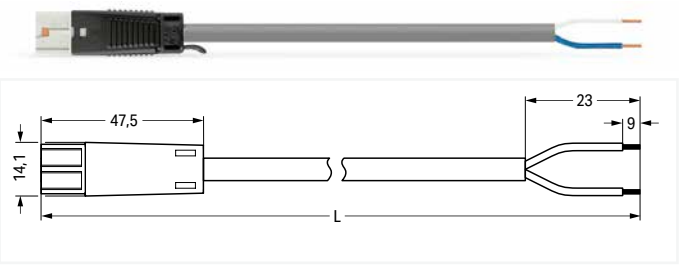

Interconnecting cable ▶ Connection type Socket - Plug

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | light gray / black | | | |
| 1 m | 894-8992/023-107 | | | 1 |
| 3 m | 894-8992/023-307 | | | 1 |
| 5 m | 894-8992/023-507 | | | 1 |




Connecting cable ▶ Connection type Socket - free end

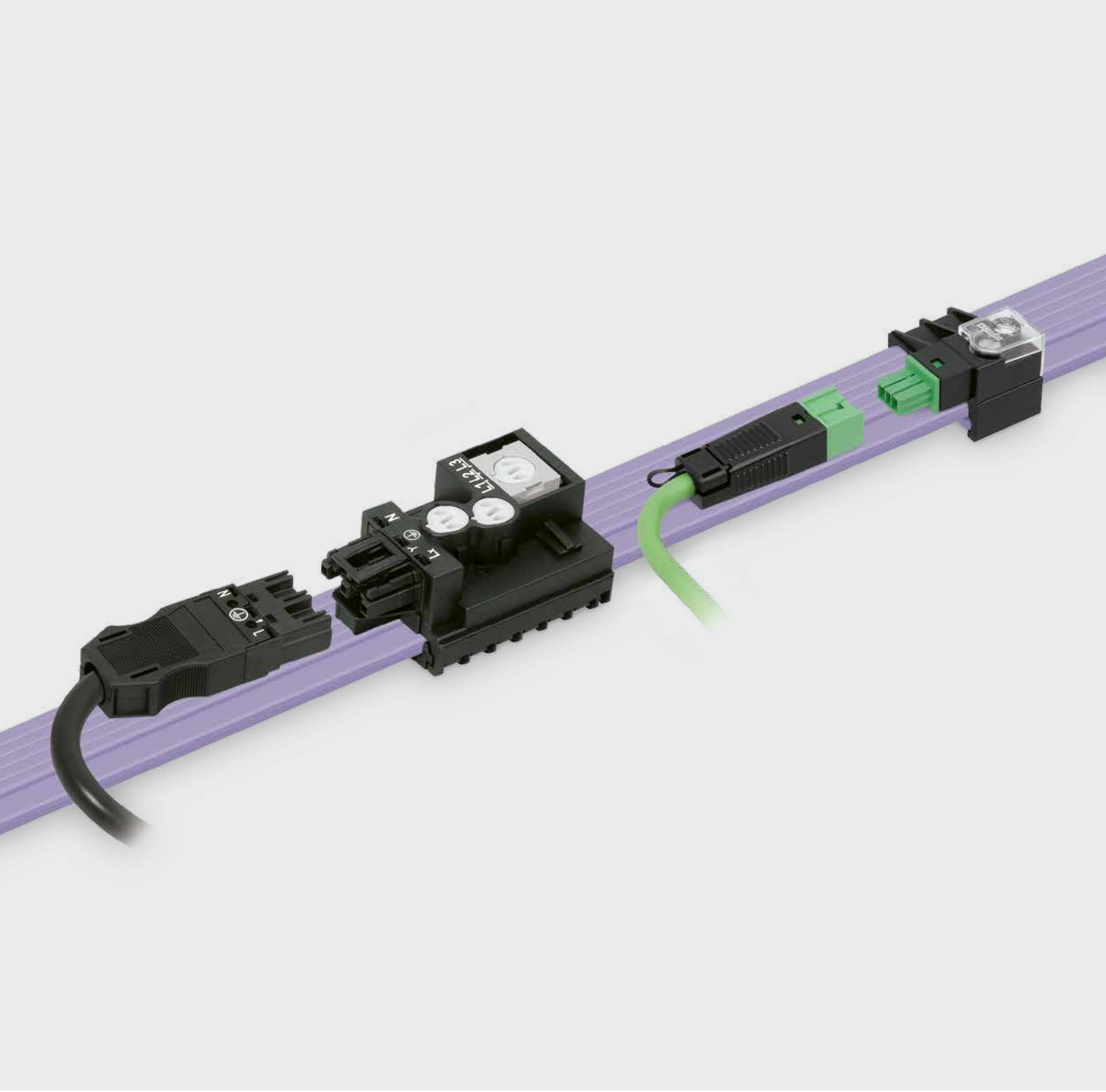
| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | light gray / black | | | |
| 1 m | 894-8992/123-107 | | | 1 |
| 3 m | 894-8992/123-307 | | | 1 |
| 5 m | 894-8992/123-507 | | | 1 |




Connecting cable ▶ Connection type Plug - free end

| Total length | Connector color / Strain relief color | | | PU |
|---|---|---|---|---|
| | light gray / black | | | |
| 1 m | 894-8992/223-107 | | | 1 |
| 3 m | 894-8992/223-307 | | | 1 |
| 5 m | 894-8992/223-507 | | | 1 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm




# WAGO Pluggable Connection System *WINSTA*® IDC

**Important note:**

The *WINSTA*® IDC system consists of the flat cables and the appropriate *WINSTA*® connection components that are described in this catalog and marked with "Woertz."
WAGO warranties the fault-free function of the *WINSTA*® IDC system only where original components are utilized.

**Notice:**
Only use identically coded supply and tap-off modules on the same cable!
- A- and P-coding (N ⏚ L1 L2 L3) are designed for a 400 V three-phase current cable configuration.
- I-coding (N ⏚ L DA- DA+) is designed for up to 230 V and dimming cable configurations.
- B-coding (N ⏚ L1 L2 L3) is designed for custom cable configurations.
  Only modules with the same pole marking shall be used within an application.

# WAGO Pluggable Connection System *WINSTA*® IDC ▶ 772, 893, 895, 896 Series for Flat Cables up to 16 mm²

Note:
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Installation connector systems are not a substitute for residential connector/socket systems.

- *WINSTA*® IDC Connectors are not intended for installation in open or easily accessible areas.


| | | Page |
|---|---|---|
|  | **IDC Modules for Flat Cables**<br>**5 x 2.5 mm² / 5 x 4 mm² / 5 x 2.5 mm² + 2 x 1.5 mm²; 772 Series**<br>Supply Modules<br>Tap-Off Modules, *WINSTA*® Connectors | <br><br>313<br>313 |
|  | **IDC Modules for Flat Cables**<br>**5 x 2.5 mm² + 2 x 1.5 mm²; 893 Series**<br>Supply Modules (KNX and Special Coding)<br>Tap-Off Modules (KNX and Special Coding) | <br><br>317<br>318 |
|  | **IDC Modules for Flat Cables**<br>**2 x 1.5 mm²; 893 Series**<br>Supply Modules (KNX and Special Coding)<br>Tap-Off Modules (KNX and Special Coding) | <br><br>321<br>322 |
|  | **IDC Modules for Flat Cables**<br>**3 x 2.5 mm²; 896 Series**<br>Supply Modules<br>Tap-Off Modules | <br><br>325<br>326 |
|  | **POWERBLOCK 10 for Flat Cable**<br>**5 x 10 mm²; 895 Series**<br>Supply Modules<br>Tap-Off Modules | <br><br>329<br>330 |
|  | **POWERBLOCK 16 for Flat Cable**<br>**5 x 16 mm²; 895 Series**<br>Supply Modules<br>Tap-Off Modules | <br><br>333<br>334 |


6

# WINSTA® IDC ▸ 772 Series
# Installation



Insert flat cable into base (observe coding!).



Mount IDC module flush with the base.
Should the IDC module jam during mounting, turn the upper part by 180° and remount it.

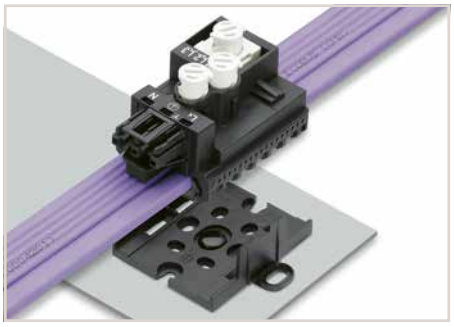


Screw down contact elements until element stops.

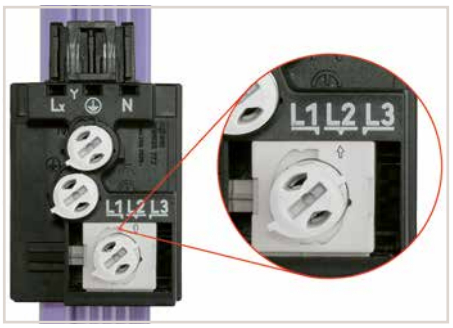


The mounting plate can be centrally mounted, or attached via outboard attachment points using 770-601 Mounting Pins.

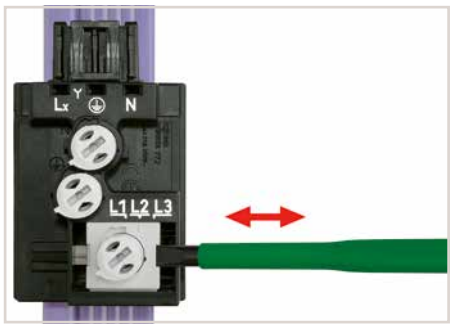




Snapping a supply or tap-off module onto a mounting plate.



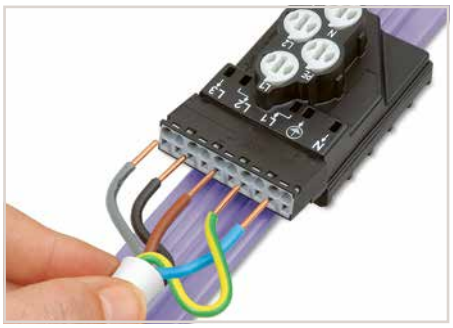

The phase selector is in position L2 (center) when delivered.




Move the phase selector into position L1 or L3 if required.



After connecting the flat cable, the IDC module is locked and can no longer be moved, even after unscrewing the contact element.



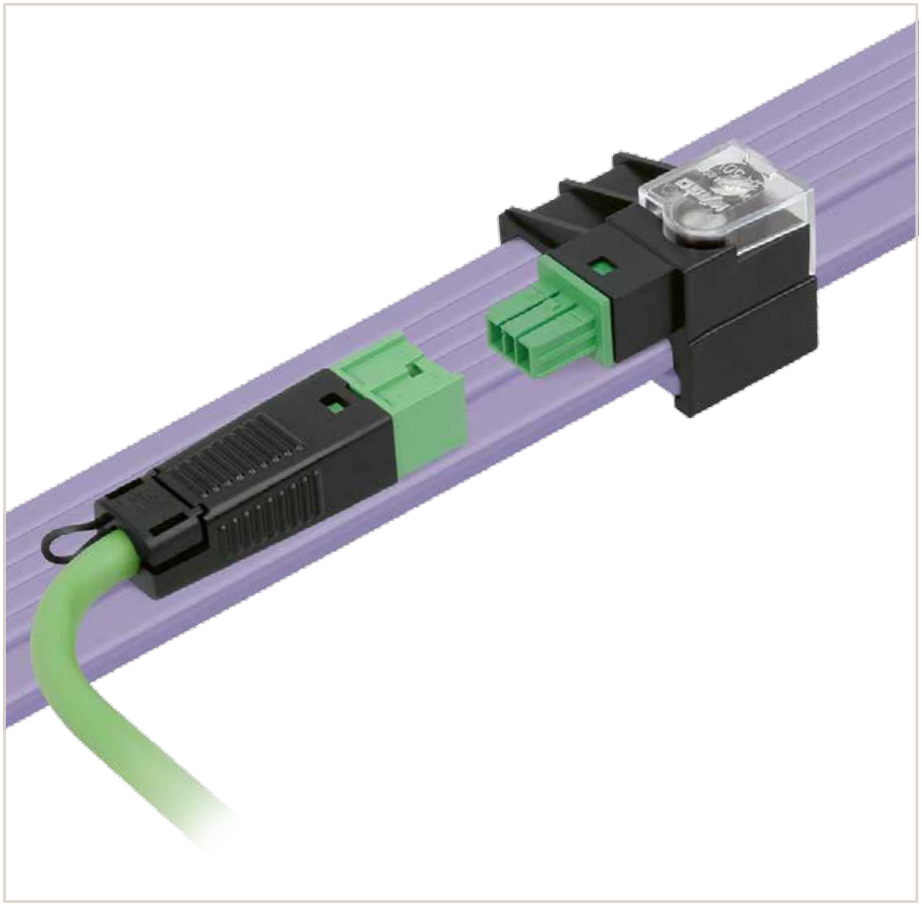
Connecting an installation cable to the supply module: Simply push stripped, solid conductors into unit. Open clamp via screwdriver to insert stripped, fine-stranded conductors.

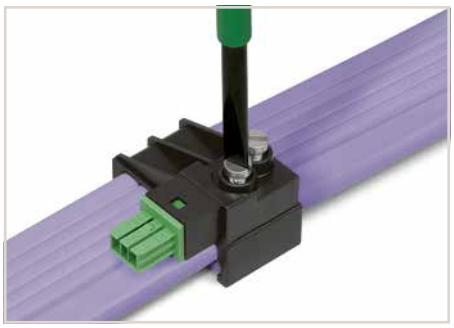


Secure supply cable via strain relief housing.



Tighten strain relief screw using a screwdriver.





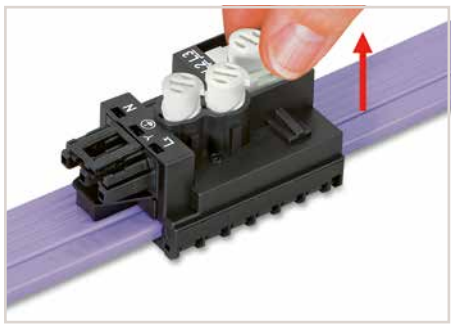
Tighten the screws to connect the flat cable.
Observe 1 Nm of tightening torque!



Snap the transparent protective cover onto the module.



Notice: Should it be necessary to tap another phase, this must be done in a different location. To do so, the contact elements must be unscrewed and brought back to their original position.



Lift contact element to unlock phase selector and select the new phase.
Notice: Do not reuse in the same location of the flat cable.



Use insulating tape to seal the contact holes in the flat cable after removing a module.

# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 772 Series
## for flat cable 5 x 2.5 mm², 5 x 4 mm², 5 x 2.5 mm² + 2 x 1.5 mm²



- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without cable interruption thanks to convenient insulation displacement connection (IDC) technology
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any point along the flat cable – one rotation per pole is all that is required

| Electrical data | | | | |
|---|---|---|---|---|
| **Ratings per** | **IEC/EN 60664-1** | | | |
| Overvoltage category | III | III | II | |
| Pollution degree | 3 | 2 | 2 | |
| Nominal voltage | 400 V | - | - | |
| Rated surge voltage | 6 kV | - | - | |
| Rated current | 25 A | - | - | |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Retention force of a plug-in connection | When locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Flat cable for temperatures –15 °C to ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

6

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables and connectors Page 390
Tool Page 392

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 772 Series
## for flat cable 5 x 2.5 mm², 5 x 4 mm², 5 x 2.5 mm² + 2 x 1.5 mm²

Supply module ▶ Pole number: 5



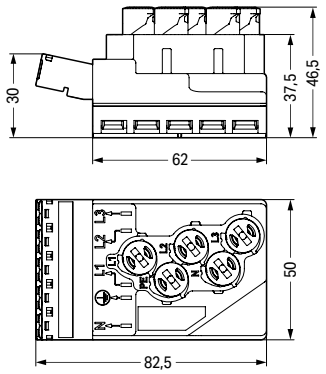
772-261

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N ⏚ L1 L2 L3 | 772-261 | 10 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | N ⏚ L1 L2 L3 | 772-264/060-000 | 10 |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| blue | I | N ⏚ L DA- DA+ | 772-271 | 10 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| red | P | N ⏚ L1 L2 L3 | 772-267 | 10 |




6

Accessories; for all products on this page



Mounting plate;

| Color | Item no. | PU |
|---|---|---|
| black | 772-260 | 10 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 772 Series
## for flat cable 5 x 2.5 mm², 5 x 4 mm², 5 x 2.5 mm² + 2 x 1.5 mm²

Tap-off module

Pole number: 3

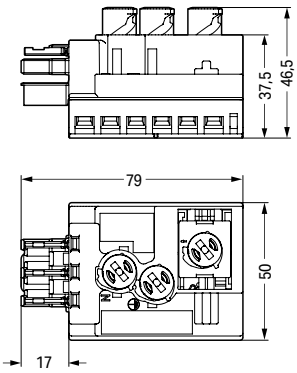


772-263

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | L ⏚ N | 772-263 | 10 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | L ⏚ N | 772-266/060-000 | 10 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| red | P | L ⏚ N | 772-269 | 10 |




Pole number: 5



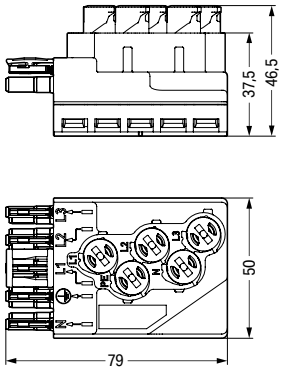
772-262

| General mains applications | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| black | A | N ⏚ L1 L2 L3 | 772-262 | 10 |

| Control technology | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| gray | B | N ⏚ L1 L2 L3 | 772-265/060-000 | 10 |

| DALI, Lighting Management | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| blue | I | N ⏚ L DA- DA+ | 772-272 | 10 |

| EDV (UPS) | | | | |
|---|---|---|---|---|
| Color | Coding | Marking | Item no. | PU |
| red | P | N ⏚ L1 L2 L3 | 772-268 | 10 |




**Accessories; for all products on this page**



Lockout cap; for socket; separable; Pole number: 12

| Color | Item no. | PU |
|---|---|---|
| black | 770-201 | 100 |
| white | 770-221 | 100 |



Mounting plate;

| Color | Item no. | PU |
|---|---|---|
| black | 772-260 | 10 |

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 893 Series
## for flat cable 5 x 2.5 mm² + 2 x 1.5 mm² ▶ Pole number: 2



- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without line interruption due to convenient insulation displacement technology (IDC)
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any point along the flat cable – one rotation per pole is all that is required.

| Electrical data | | | | |
|---|---|---|---|---|
| Ratings per | IEC/EN 60664-1 | | | |
| Overvoltage category | III | III | II | |
| Pollution degree | 3 | 2 | 2 | |
| Nominal voltage | 50 V | - | - | |
| Rated surge voltage | 0.8 kV | - | - | |
| Rated current | 3 A | - | - | |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Number of mating cycles | 200 |
| Retention force of a plug-in connection | When locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Flat cable for temperatures –15 °C to ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

6

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables and connectors Page 391

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

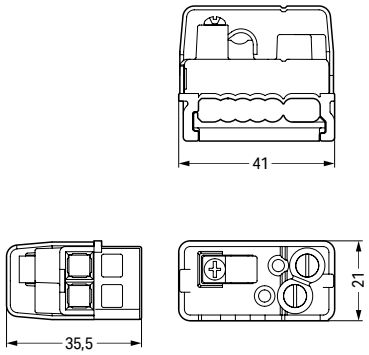
# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 893 Series
## for flat cable 5 x 2.5 mm² + 2 x 1.5 mm² ▶ Pole number: 2

Supply module



893-261

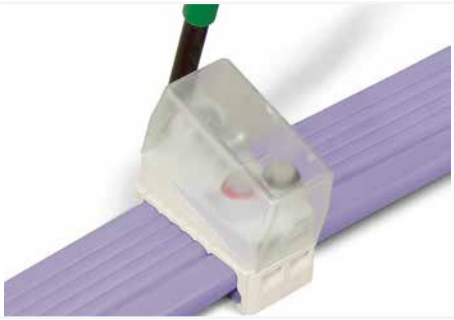
| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | - | - | 893-261 | 50 |



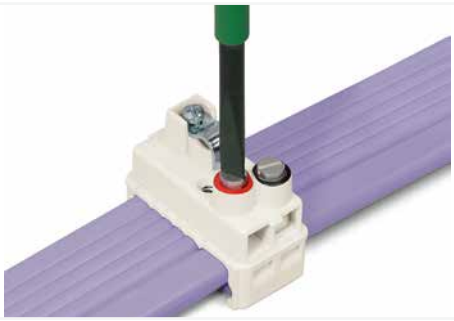



The IDC module can only be mounted if the two codings match each other.

Should the IDC module jam during mounting, turn the module by 180° and remount it, flush with the base.

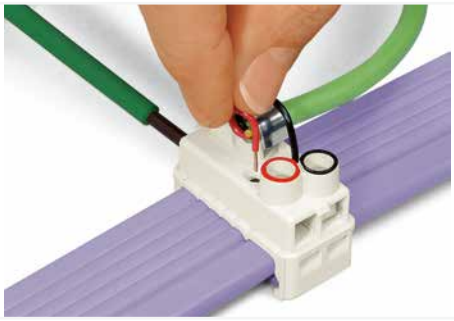


Remove transparent cover using a screwdriver.



Tighten the screws that are marked in red and black to connect the flat cable.

Observe 1 Nm of tightening torque!



Secure bus cable via strain relief and terminate stripped conductors as shown in the picture.

6

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 893 Series
## for flat cable 5 x 2.5 mm² + 2 x 1.5 mm² ▶ Pole number: 2

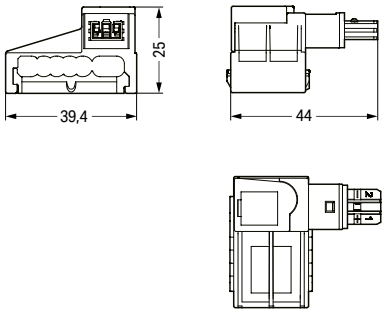
Tap-off module

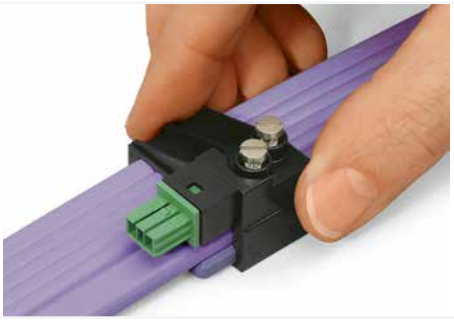


893-262

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| green | E | 1+ 2- | 893-262 | 50 |

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| light gray | F | 1+ 2- | 893-269 | 50 |



The IDC module can only be mounted if the two codings match each other.

Should the IDC module jam during mounting, turn the module by 180° and remount it, flush with the base.

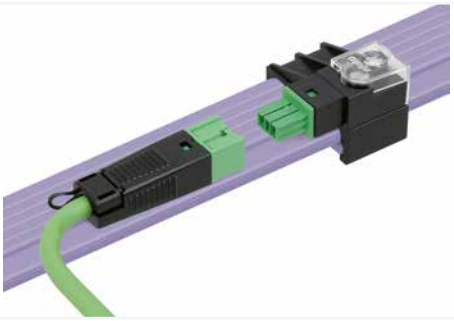


Tighten the screws to connect the flat cable.

Observe 1 Nm of tightening torque!



Snap the transparent protective cover onto the module.



Connect the cable assembly to the module.

**PU = packaging unit; SPU = subpackaging unit; Dimensions in mm**

# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 893 Series
## for flat cable 2 x 1.5 mm² ▶ Pole number: 2



- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without line interruption due to convenient insulation displacement technology (IDC)
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any point along the flat cable – one rotation per pole is all that is required.

| | | | | |
|---|---|---|---|---|
| **Electrical data** | | | | |
| **Ratings per** | **IEC/EN 60664-1** | | | |
| Overvoltage category | III | III | II | |
| Pollution degree | 3 | 2 | 2 | |
| Nominal voltage | 50 V | - | - | |
| Rated surge voltage | 0.8 kV | - | - | |
| Rated current | 3 A | - | - | |
| **Connection data** | | | | |
| Connection technology | IDC connection | | | |
| **Material Data** | | | | |
| Insulation material | Polyamide (PA66) | | | |
| Flammability class per UL94 | V0 | | | |
| Contact material | Copper or copper alloy; surface-treated | | | |
| Contact plating | Tin | | | |
| **Mechanical Data** | | | | |
| Number of mating cycles | 200 | | | |
| Retention force of a plug-in connection | When locked: > 80 N | | | |
| Protection type | IP20 | | | |
| Note on protection type | When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) | | | |
| **Environmental requirements** | | | | |
| Processing temperature | -5 … +40 °C | | | |
| Continuous operating temperature | -35 … +85 °C | | | |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Flat cable for temperatures –15 °C to ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C | | | |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

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See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

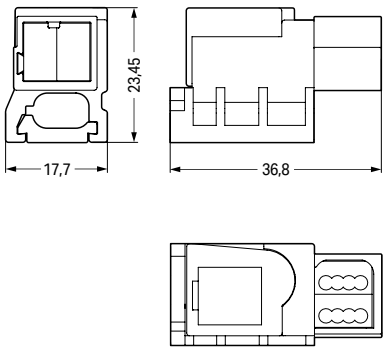
# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 893 Series
## for flat cable 2 x 1.5 mm² ▶ Pole number: 2

Supply module



893-121

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | - | - | 893-121 | 25 |






The IDC module can only be mounted if the two codings match each other.

Should the IDC module jam during mounting, turn the module by 180° and remount it, flush with the base.

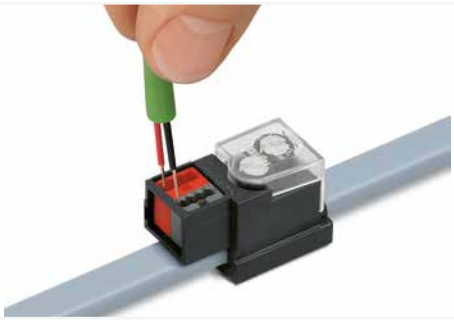


Tighten the screws to connect the flat cable.

Observe 1 Nm of tightening torque!



Snap the transparent protective cover onto the module.



Terminate stripped, solid conductors by simply pushing them into unit until they hit backstop.

6

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 893 Series
## for flat cable 2 x 1.5 mm² ▶ Pole number: 2

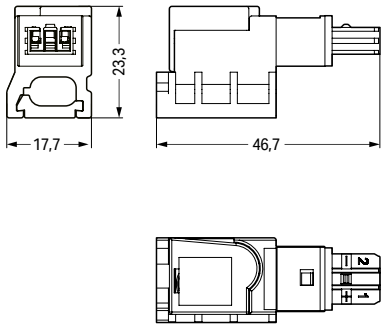
Tap-off module

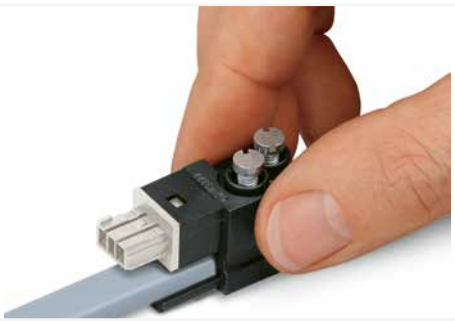


893-122

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| green | E | 1+ 2- | 893-122 | 50 |

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| light gray | F | 1+ 2- | 893-129 | 50 |



The IDC module can only be mounted if the two codings match each other.

Should the IDC module jam during mounting, turn the module by 180° and remount it, flush with the base.

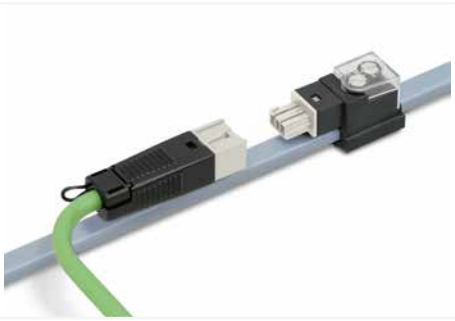


Tighten the screws to connect the flat cable.

Observe 1 Nm of tightening torque!



Snap the transparent protective cover onto the module.



Connect the cable assembly to the module.

**PU = packaging unit; SPU = subpackaging unit; Dimensions in mm**

# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 896 Series
## for flat cable 3 x 2.5 mm²




- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without line interruption due to convenient insulation displacement technology (IDC)
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any point along the flat cable – one rotation per pole is all that is required.

| | | | | |
|---|---|---|---|---|
| **Electrical data** | | | | |
| **Ratings per** | **IEC/EN 60664-1** | | | |
| Overvoltage category | III | III | II | |
| Pollution degree | 3 | 2 | 2 | |
| Nominal voltage | 250 V | - | - | |
| Rated surge voltage | 4 kV | - | - | |
| Rated current | 24 A | - | - | |
| **Material Data** | | | | |
| Insulation material | Polyamide (PA66) | | | |
| Flammability class per UL94 | V0 | | | |
| Contact material | Copper or copper alloy; surface-treated | | | |
| **Mechanical Data** | | | | |
| Protection type | IP20 | | | |
| **Environmental requirements** | | | | |
| Processing temperature | -5 … +40 °C | | | |
| Continuous operating temperature | -35 … +85 °C | | | |

6

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables and connectors Page 390

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

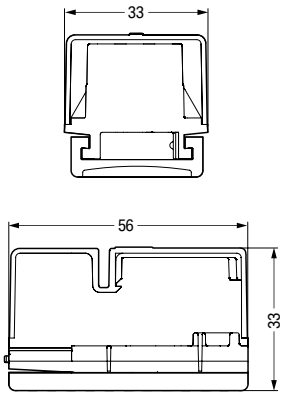
# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 896 Series
## for flat cable 3 x 2.5 mm²

Supply module ▶ Pole number: 3




896-231

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | - | - | 896-231 | 10 |




PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

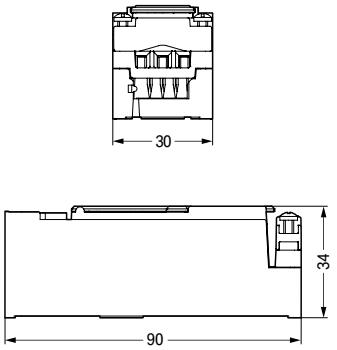
# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 896 Series
## for flat cable 3 x 2.5 mm²

Tap-off module ▶ Pole number: 3



896-232

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| gray | - | - | 896-232 | 10 |






Position the base and tighten screw, if necessary. Insert flat cable accurately. The key in the base must match the groove in the cable insulation.



Cut outgoing feeder cable, completely strip and insert conductors. Tighten screws firmly (observe 0.7 Nm of tightening torque).



Insert upper part into base until it hits the stop (which will click when engaged). Push down and lock lever. All three cores are contacted simultaneously.

6

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

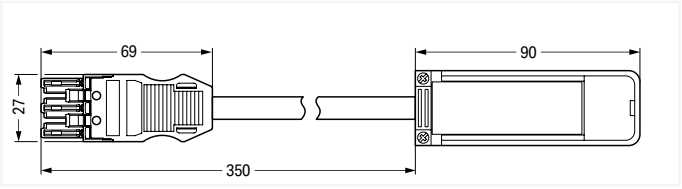
# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 896 Series
## for flat cable 3 x 2.5 mm²

Cable assembly ▶ General mains applications



896-233

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | A | L ⏚ N | 896-233 | 1 |
| ○ white | A | L ⏚ N | 896-234 | 1 |




PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 895 Series
## for flat cable 5 x 10 mm² ▶ Pole number: 5



- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without line interruption due to convenient insulation displacement technology (IDC)
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any point along the flat cable – one rotation per pole is all that is required.

| Electrical data | | | | | | |
|---|---|---|---|---|---|---|
| **Ratings per** | **IEC/EN 60664-1** | | | **IEC/EN 60664-1** | | |
| Overvoltage category | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 750 V | - | - | 690 V | - | - |
| Rated surge voltage | 8 kV | - | - | 8 kV | - | - |
| Rated current | 57 A | - | - | 32 A | - | - |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Retention force of a plug-in connection | When locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Flat cable for temperatures –15 °C to ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

6

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables and connectors Page 391

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

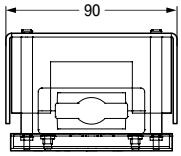
# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 895 Series
## for flat cable 5 x 10 mm² ▶ Pole number: 5

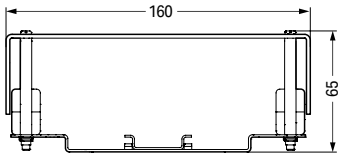
Supply module



895-1051

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ◯ transparent | - | - | 895-1051 | 1 |






Cut both sides of the flat cable insulation using a stripping knife (observe 30 mm of cutting length).



Cut off the flat cable insulation via cable cutter.



Push end cover fully onto the conductor ends.

6

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 895 Series
## for flat cable 5 x 10 mm² ▶ Pole number: 5

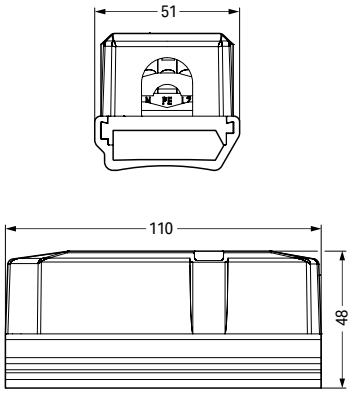
Tap-off module





895-1052

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ◯ transparent | - | - | 895-1052 | 25 |




6

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 895 Series
## for flat cable 5 x 16 mm² ▶ Pole number: 5



- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without line interruption due to convenient insulation displacement technology (IDC)
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any point along the flat cable – one rotation per pole is all that is required.

| Electrical data | | | | | | |
|---|---|---|---|---|---|---|
| **Ratings per** | **IEC/EN 60664-1** | | | **IEC/EN 60664-1** | | |
| Overvoltage category | III | III | II | III | III | II |
| Pollution degree | 3 | 2 | 2 | 3 | 2 | 2 |
| Nominal voltage | 690 V | - | - | 690 V | - | - |
| Rated surge voltage | 8 kV | - | - | 8 kV | - | - |
| Rated current | 76 A | - | - | 41 A | - | - |

| Connection data | |
|---|---|
| Connection technology | Screw connection |
| Connection technology 2 | IDC connection |

| Material Data | |
|---|---|
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

| Mechanical Data | |
|---|---|
| Retention force of a plug-in connection | When locked: > 80 N |
| Protection type | IP20 |
| Note on protection type | IP65 with screw-type connection/blind plug |

| Environmental requirements | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Flat cable for temperatures –15 °C to ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables and connectors Page 391

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

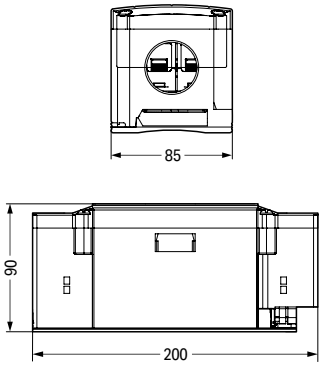
# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 895 Series
## for flat cable 5 x 16 mm² ▶ Pole number: 5

Supply module



895-1651

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | - | - | 895-1651 | 1 |




PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

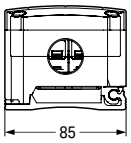
# Supply/tap-off module ▶ *WINSTA*® IDC ▶ 895 Series
## for flat cable 5 x 16 mm² ▶ Pole number: 5

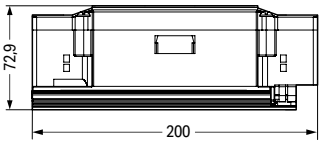
Tap-off module



895-1652

| Color | Coding | Marking | Item no. | PU |
|---|---|---|---|---|
| ● black | - | - | 895-1652 | 1 |





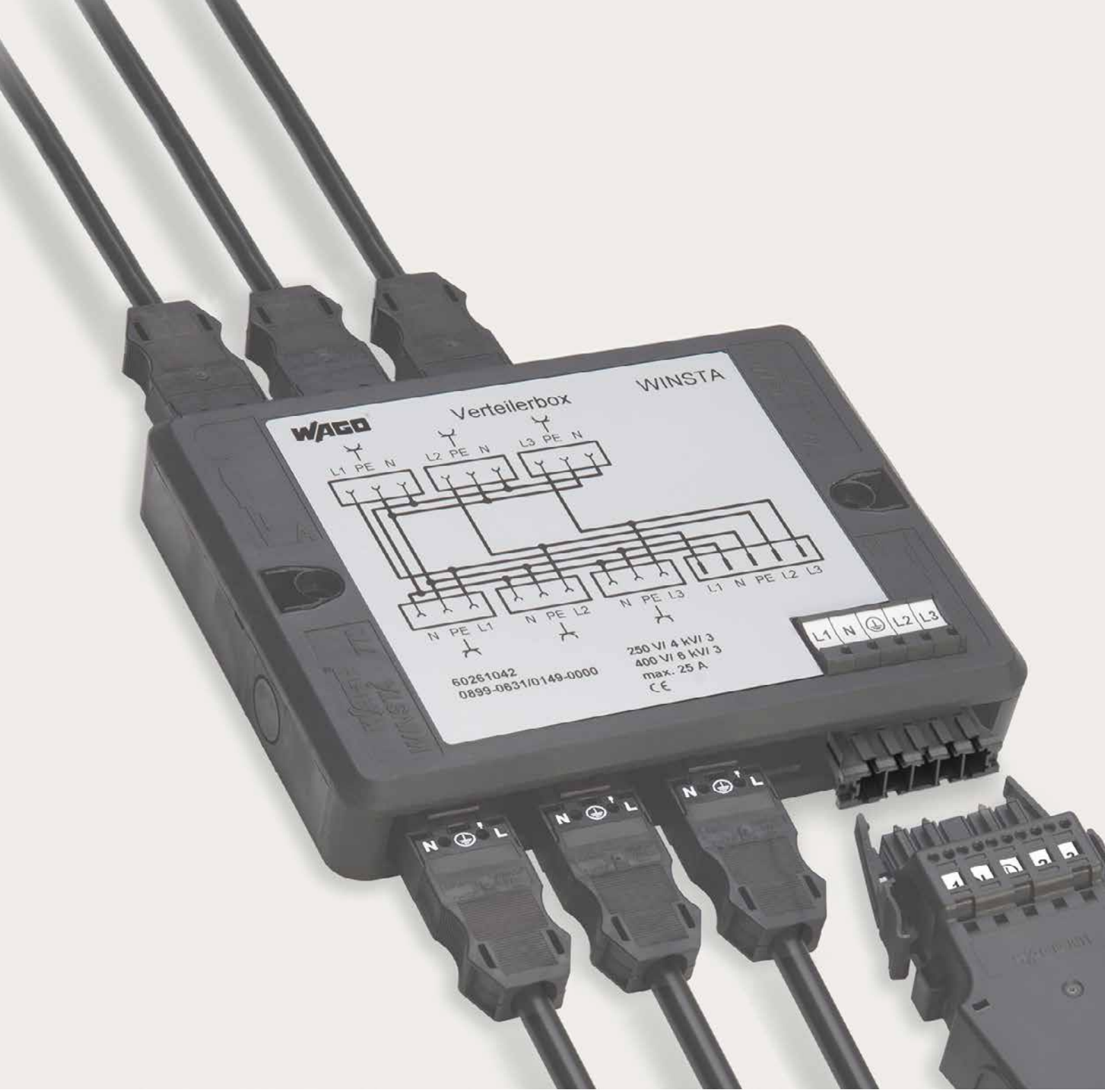

Tighten the screws to the stop to connect the flat cable (observe the tightening torque!)



Red contact clips confirm that the contacts are made correctly when they are flush with the terminals.

6

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm




# WAGO Pluggable Connection System
# *WINSTA*® Boxes

# WAGO Pluggable Connection System *WINSTA*® Boxes ▸ 899 Series




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| Relay Switching | 361 |





| | |
|---|---|
| Distribution Box for Self-Assembly | 362 |

# *WINSTA*® Boxes ▸ 899 Series
# System Description and Installation



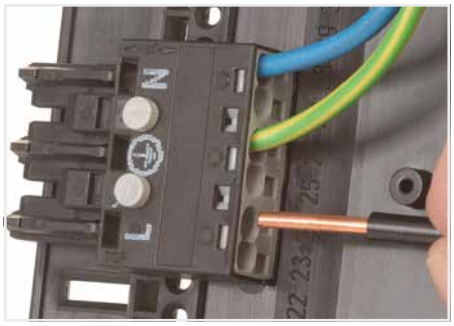
The set includes: 1 bottom, 1 lid, 2 sidewalls and 16 mounting pins.



Remove unrequired areas from the sidewalls.

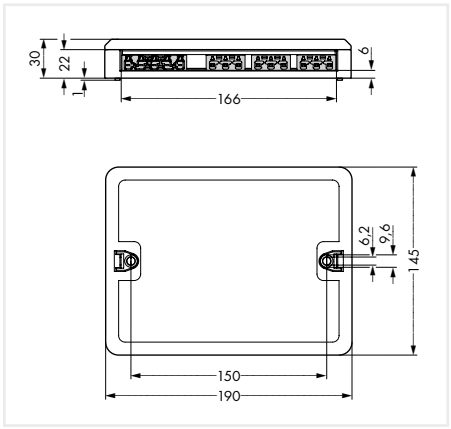


Unassigned slots and spaces are closed by inserting a sidewall.



Using mounting pins to secure *WINSTA*® MIDI connectors in a distribution box .






Dimensions of a *WINSTA*® Box



Securing the mounting plate with *WINSTA*® Box to the wall (e.g., via stud gun).



Using adapters to install *WINSTA*® MINI connectors in a distribution box.



Custom-made *WINSTA*® Box

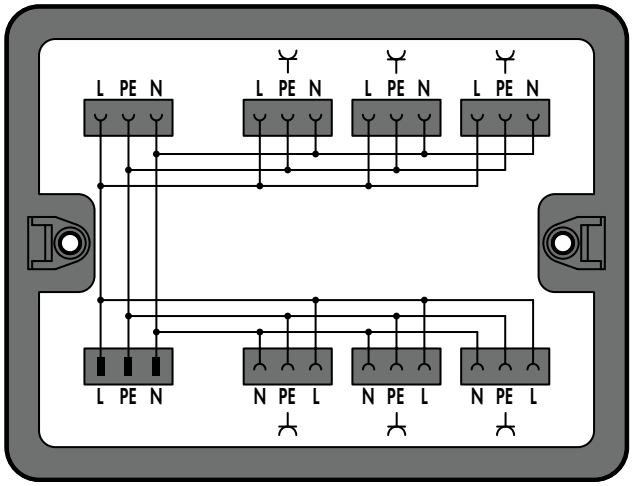
# *WINSTA*® Boxes ▸ 899 Series
## Single-Phase Current (230 V)
## 1 Input; 7 Outputs; A-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box duplicates the outputs of a 3-pole, single-phase cable.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; single-phase current (230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/104-000 | 1 |

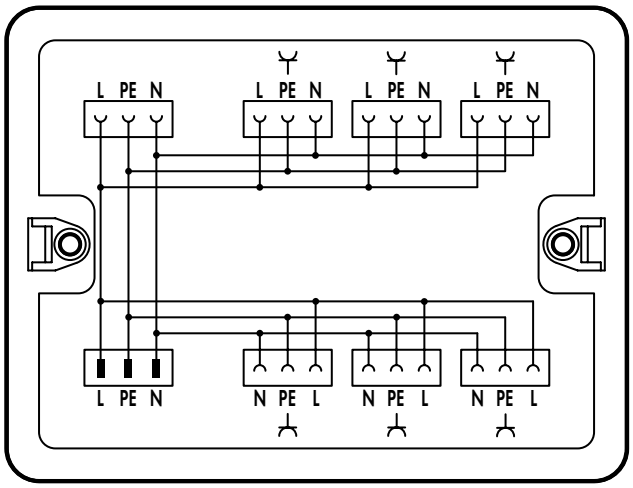
## Single-phase current (230 V)
## 1 Input; 7 Outputs; A-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box duplicates the outputs of a 3-pole, single-phase cable.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; single-phase current (230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ○ white | 899-681/104-000 | 1 |

(III / 3 ) ≙ Overvoltage category III / Pollution degree 3

| | |
|---|---|
| Accessories, 899 Series | Page 359 |
| Coding Overview | Page 372 |
| Approvals, see www.wago.com | |

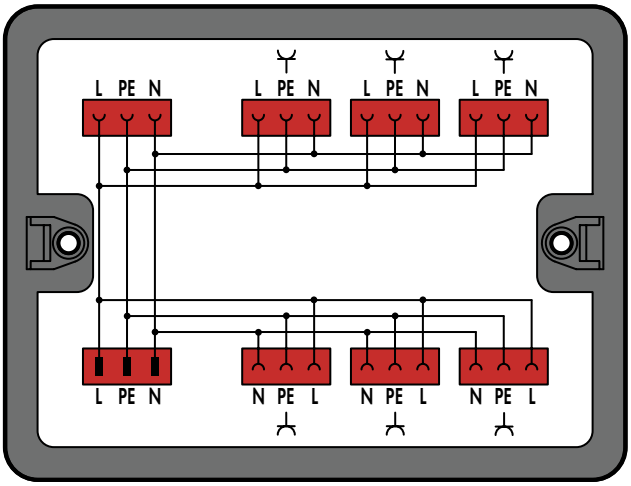
# *WINSTA*® Boxes ▸ 899 Series
## Single-Phase Current (230 V)
## 1 Input; 7 Outputs; P-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box duplicates the outputs of a 3-pole, single-phase cable.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; single-phase current (230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/330-000 | 1 |

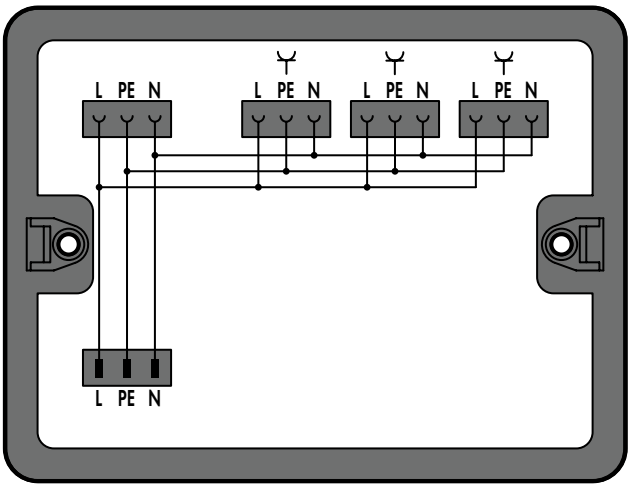
## Single-phase current (230 V)
## 1 Input; 4 Outputs; A-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box duplicates the outputs of a 3-pole, single-phase cable.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 20 A |
| Internal wiring | 2.5 mm² (halogen-free) |




| Distribution box; single-phase current (230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/476-000 | 1 |

(III / 3 ) ≙ Overvoltage category III / Pollution degree 3


| | |
|---|---|
| Accessories, 899 Series | Page 359 |
| Coding Overview | Page 372 |
| Approvals, see www.wago.com | |

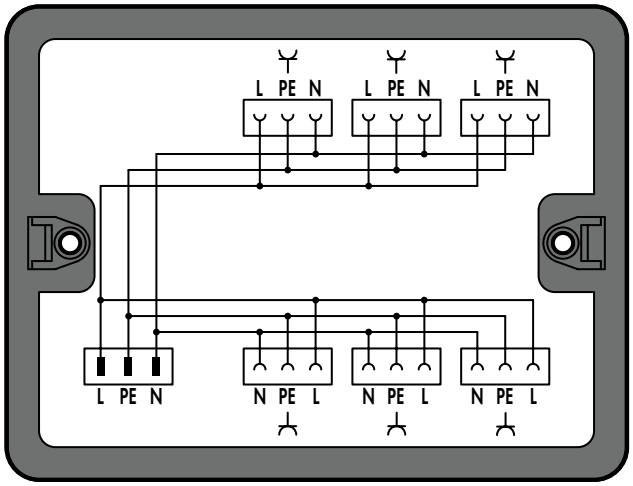
# *WINSTA*® Boxes ▸ 899 Series
## Single-Phase Current (230 V)
## 1 Input; 6 Outputs; A-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box duplicates the outputs of a 3-pole, single-phase cable.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; single-phase current (230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | **899-631/395-000** | 1 |

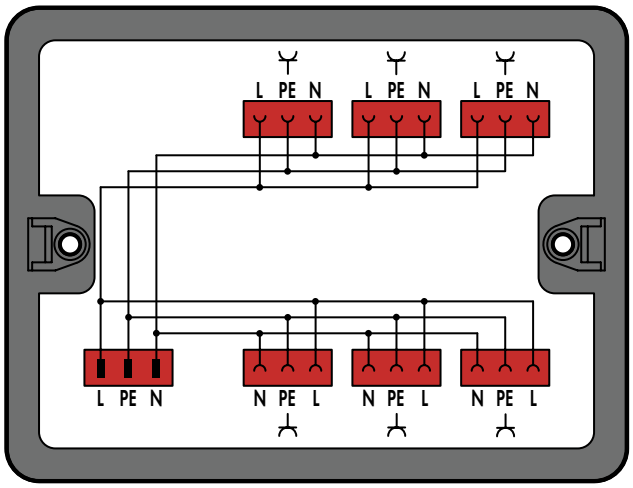
## Single-phase current (230 V)
## 1 Input; 6 Outputs; P-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box duplicates the outputs of a 3-pole, single-phase cable.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; single-phase current (230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | **899-631/331-000** | 1 |

## *WINSTA*® Boxes ▸ 899 Series
## Single-Phase Current (230 V)
## 1 Input; 13 Outputs; A-Coding; *WINSTA*® MIDI

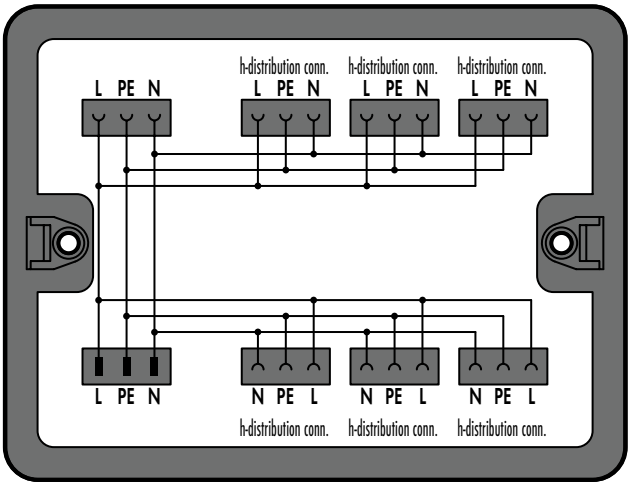
**Description**

This *WINSTA*® Box duplicates the outputs of a 3-pole, single-phase cable.

Includes: Six h-distribution connectors (770-634)

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; single-phase current (230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/334-000 | 1 |

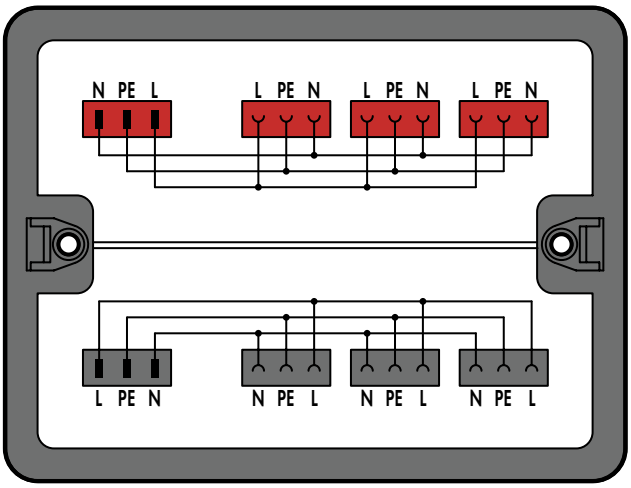
## Single-phase current (230 V)
## 2 Inputs; 6 Outputs; A-, P-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box features two different 3-pole, single-phase circuits (e.g., for general power, EDP outlets, and UPS systems). Both networks are provided with differently encoded connectors. Three-pole connecting cables are provided for both power input and output.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; single-phase current (230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/311-000 | 1 |

(III / 3 ) ≙ Overvoltage category III / Pollution degree 3


| | |
|---|---|
| Accessories, 899 Series | Page 359 |
| Coding Overview | Page 372 |
| Approvals, see www.wago.com | |

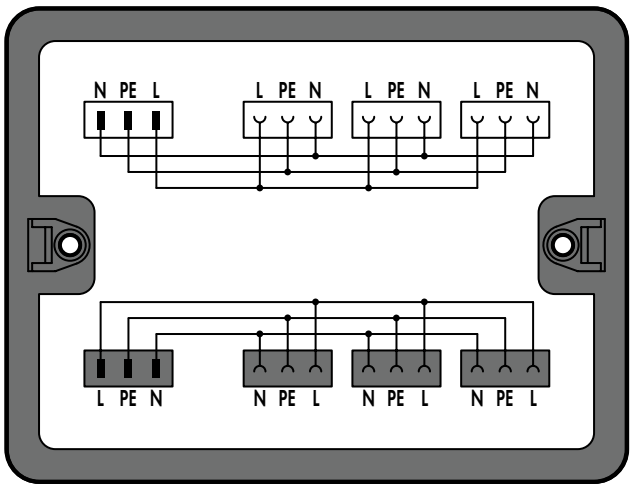
# *WINSTA*® Boxes ▸ 899 Series
## Single-Phase Current (230 V)
## 2 Inputs; 6 Outputs; A-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box features two different 3-pole, single-phase circuits (e.g., for general power, EDP outlets, and UPS systems). Both networks are provided with differently encoded connectors. Three-pole connecting cables are provided for both power input and output.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




Distribution box; single-phase current (230 V)

| Color | Item No. | Pack. Unit |
|---|---|---|
| ● black | **899-631/327-000** | 1 |

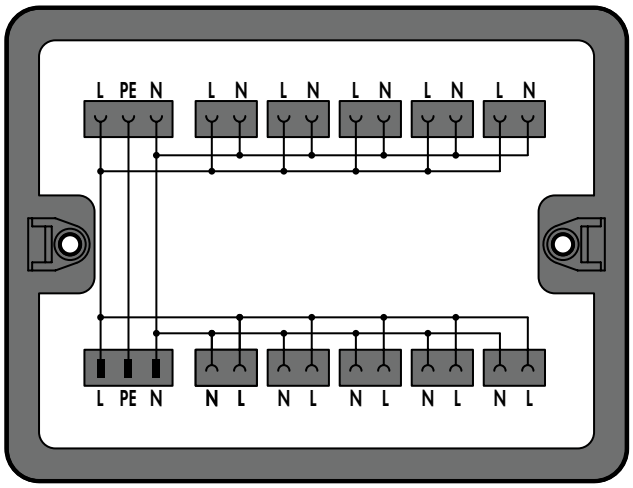
## Single-phase current (230 V)
## 1 Input; 11 Outputs; A-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box features a 3-pole transmission line and ten 2-pole outputs.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 16 A |
| Internal wiring | 1.5 mm² (halogen-free) |




Distribution box; single-phase current (230 V)

| Color | Item No. | Pack. Unit |
|---|---|---|
| ● black | **899-631/477-000** | 1 |

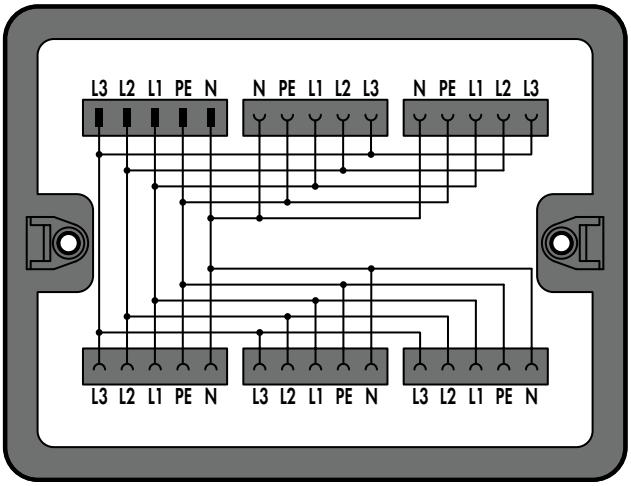
# *WINSTA*® Boxes ▸ 899 Series
## Three-Phase Current (400 V)
## 1 Input; 5 Outputs; A-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box duplicates the outputs of a 5-pole, three-phase cable.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 400 V |
| Rated impulse voltage (III / 3) | 6 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; three-phase current (400 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | **899-631/187-000** | 1 |

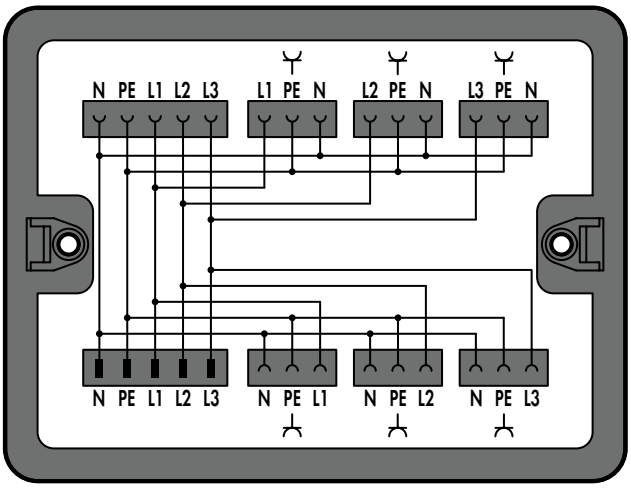
## Three-Phase to Single-Phase Current (400 V/230 V)
## 1 Input; 7 Outputs; A-Coding; *WINSTA*® MIDI

**Description**

The phases $L_1$, $L_2$ and $L_3$ of the three-phase current are divided into three single-phase circuits with two outputs each.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V / 400 V |
| Rated impulse voltage (III / 3) | 4 kV / 6 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; three-phase to single-phase current (400 V / 230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | **899-631/100-000** | 1 |

(III / 3 ) ≙ Overvoltage category III / Pollution degree 3


| | |
|---|---|
| Accessories, 899 Series | Page 359 |
| Coding Overview | Page 372 |
| Approvals, see www.wago.com | |

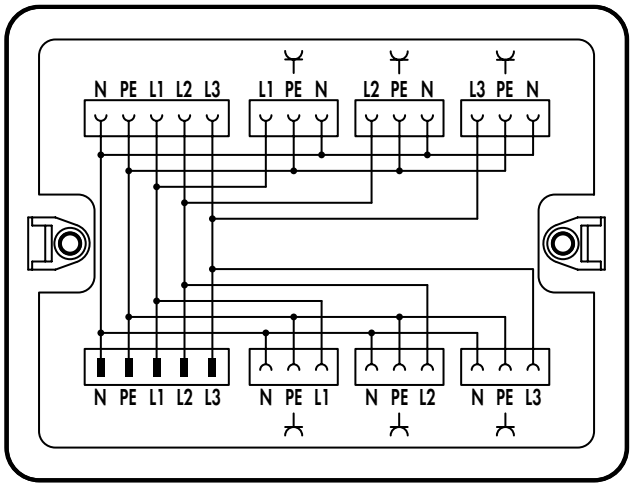
## *WINSTA*® Boxes ▸ 899 Series
## Three-Phase to Single-Phase Current (400 V / 230 V)
1 Input; 7 Outputs; A-Coding; *WINSTA*® MIDI

**Description**

The phases $L_1$, $L_2$ and $L_3$ of the three-phase current are divided into three single-phase circuits with two outputs each.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V / 400 V |
| Rated impulse voltage (III / 3) | 4 kV / 6 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; three-phase to single-phase current (400 V / 230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ○ white | **899-681/100-000** | 1 |

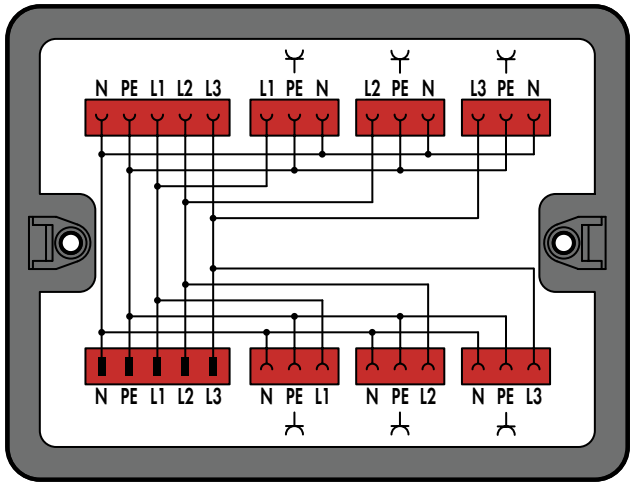
## Distribution; Three-Phase to Single-Phase Current (400 V / 230 V)
1 Input; 7 Outputs; P-Coding; *WINSTA*® MIDI

**Description**

The phases $L_1$, $L_2$ and $L_3$ of the three-phase current are divided into three single-phase circuits with two outputs each.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V / 400 V |
| Rated impulse voltage (III / 3) | 4 kV / 6 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; three-phase to single-phase current (400 V / 230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | **899-631/186-000** | 1 |

# *WINSTA*® Boxes ▸ 899 Series

## Three-Phase to Single-Phase Current (400 V / 230 V)

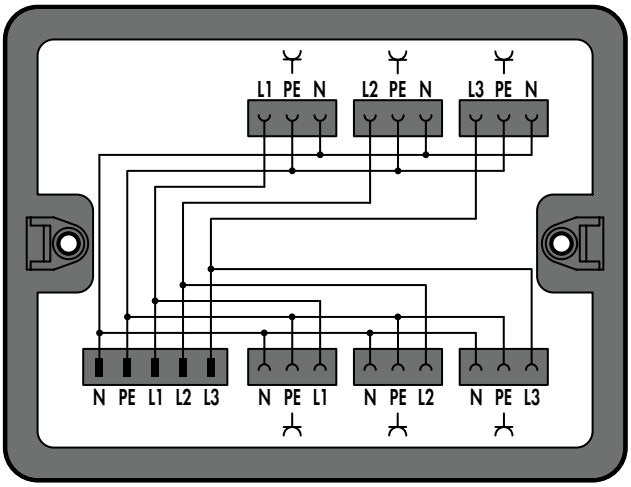
1 Input; 6 Outputs; A-Coding; *WINSTA*® MIDI

**Description**

The phases $L_1$, $L_2$ and $L_3$ of the three-phase current are divided into three single-phase circuits with two outputs each.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V / 400 V |
| Rated impulse voltage (III / 3) | 4 kV / 6 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; three-phase to single-phase current (400 V / 230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | **899-631/105-000** | 1 |

## Three-Phase to Single-Phase Current (400 V/230 V)

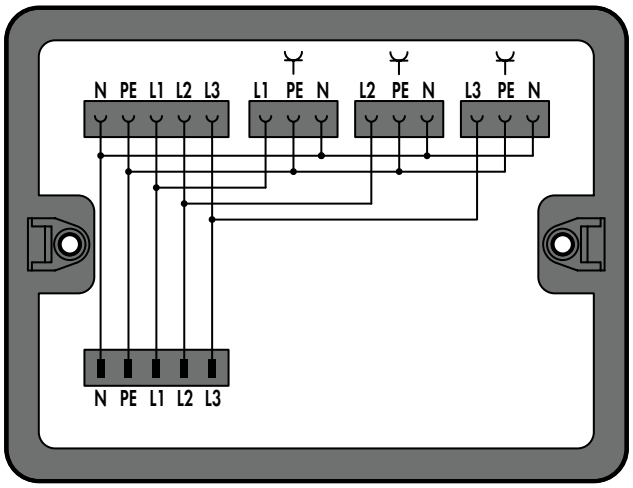
1 Input; 4 Outputs; A-Coding; *WINSTA*® MIDI

**Description**

The phases $L_1$, $L_2$ and $L_3$ of the three-phase current are divided into three single-phase circuits with one output each.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V / 400 V |
| Rated impulse voltage (III / 3) | 4 kV / 6 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; three-phase to single-phase current (400 V / 230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | **899-631/346-000** | 1 |

(III / 3 ) ≙ Overvoltage category III / Pollution degree 3


| | |
|---|---|
| Accessories, 899 Series | Page 359 |
| Coding Overview | Page 372 |
| Approvals, see www.wago.com | |

# *WINSTA*® Boxes ▸ 899 Series

## Three-Phase to Single-Phase Current (400 V / 230 V)

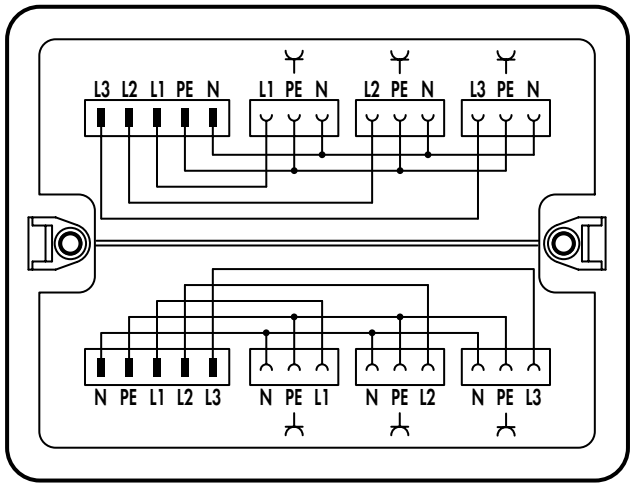
2 Inputs; 6 Outputs; A-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box divides two 3-phase circuits into three single-phase circuits each (e.g., 230 V and EDP outlets).

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V / 400 V |
| Rated impulse voltage (III / 3) | 4 kV / 6 kV |
| Rated current | 20 A |
| Internal wiring | 2.5 mm² (halogen-free) |




| Distribution box; three-phase to single-phase current (400 V / 230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ○ white | **899-681/144-000** | 1 |

## Three-Phase to Single-Phase Current (400 V/230 V)

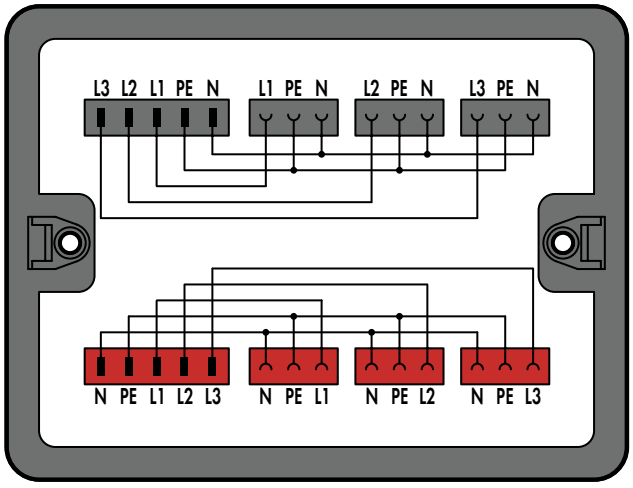
2 Inputs; 6 Outputs; A-, P-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box divides two 3-phase circuits into three single-phase circuits each (e.g., 230 V and EDP outlets).

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V / 400 V |
| Rated impulse voltage (III / 3) | 4 kV / 6 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; three-phase to single-phase current (400 V / 230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | **899-631/302-000** | 1 |

# *WINSTA*® Boxes ▸ 899 Series

## Three-Phase to Single-Phase Current (400 V / 230 V)

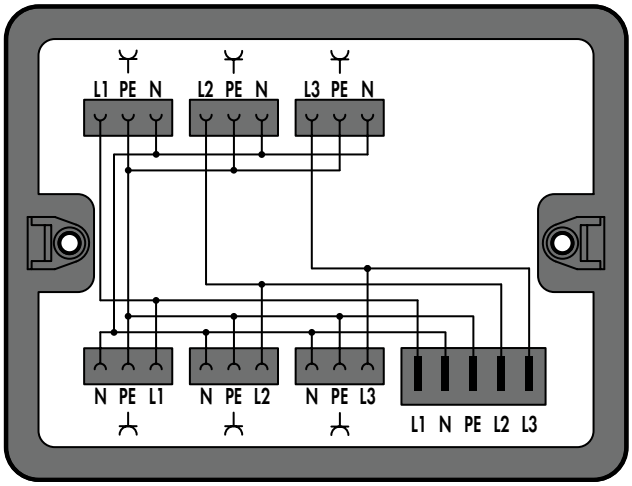
1 Input; 6 Outputs; A-Coding; *WINSTA*® MIDI; *WINSTA*® MAXI

**Description**

This *WINSTA*® Box divides a 3-phase circuit into three single-phase circuits with two outputs each. Power supply is performed via 6 mm² cable equipped with a *WINSTA*® MAXI connector.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V / 400 V |
| Rated impulse voltage (III / 3) | 4 kV / 6 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; three-phase to single-phase current (400 V / 230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/149-000 | 1 |

## Three-Phase to Single-Phase Current (400 V/230 V)

Supply Cable Entry; 1 Input; 6 Outputs; A-Coding; *WINSTA*® MIDI

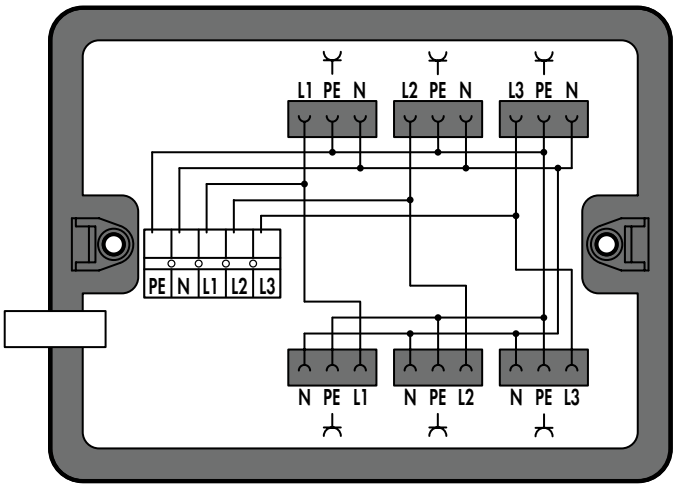
**Description**

Power supply is performed via standard 5-pole terminal strip.
The phases $L_1$, $L_2$ and $L_3$ of the three-phase current are divided into three single-phase circuits with two outputs each.

Includes: One cable clamp and two mounting screws

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V / 400 V |
| Rated impulse voltage (III / 3) | 4 kV / 6 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; three-phase to single-phase current (400 V / 230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/338-000 | 1 |

(III / 3 ) ≙ Overvoltage category III / Pollution degree 3


| | |
|---|---|
| Accessories, 899 Series | Page 359 |
| Coding Overview | Page 372 |
| Approvals, see www.wago.com | |

# *WINSTA*® Boxes ▸ 899 Series

## Three-Phase to Single-Phase Current (400 V / 230 V)

Supply Cable Entry; 1 Input; 6 Outputs; A-Coding; *WINSTA*® MIDI

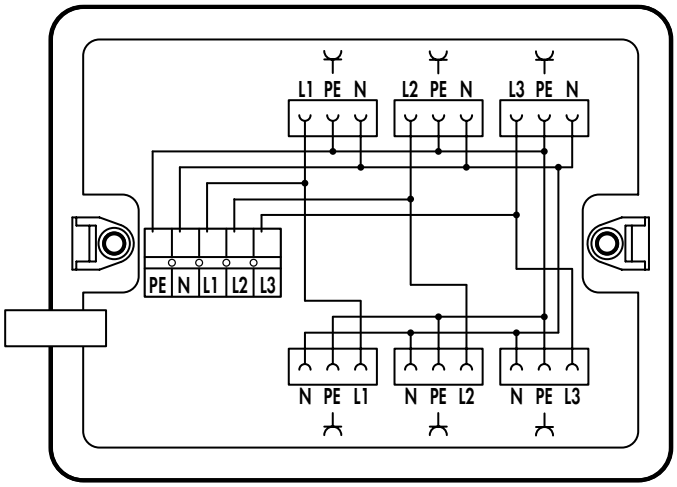
**Description**

Power supply is performed via standard 5-pole terminal strip.
The phases $L_1$, $L_2$ and $L_3$ of the three-phase current are divided into three single-phase circuits with two outputs each.

Includes: One cable clamp and two mounting screws

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V / 400 V |
| Rated impulse voltage (III / 3) | 4 kV / 6 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; three-phase to single-phase current (400 V / 230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ○ white | **899-681/123-000** | 1 |

## Supply Cable Entry

Supply Cable Entry; 1 Input; 6 Outputs; P-Coding; *WINSTA*® MIDI

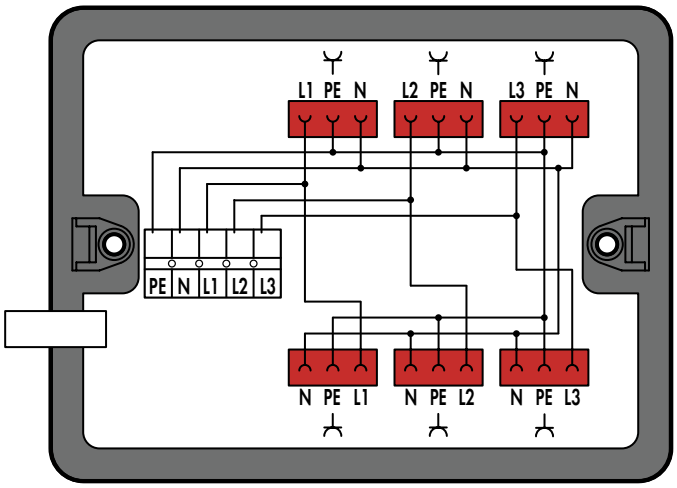
**Description**

Power supply is performed via standard 5-pole terminal strip.
The phases $L_1$, $L_2$ and $L_3$ of the three-phase current are divided into three single-phase circuits with two outputs each.

Includes: One cable clamp and two mounting screws

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V / 400 V |
| Rated impulse voltage (III / 3) | 4 kV / 6 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; three-phase to single-phase current (400 V / 230 V) | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | **899-631/339-000** | 1 |

# *WINSTA*® Boxes ▸ 899 Series
## Supply Cable Entry
## 6 Outputs; A-Coding; *WINSTA*® MIDI

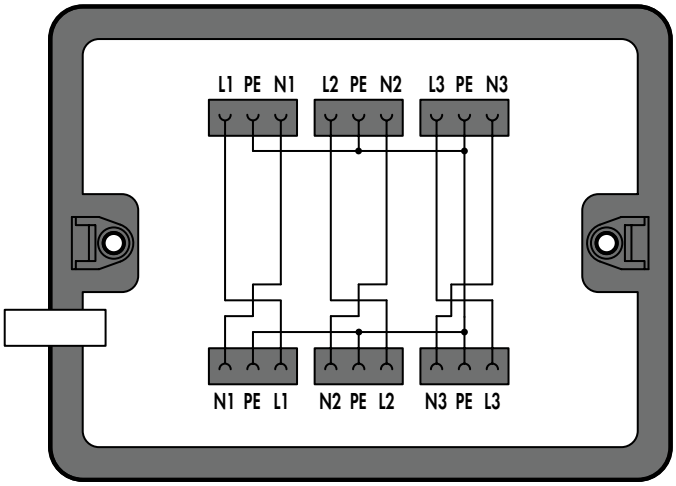
**Description**

Power supply is performed directly via connectors using a 7-pole cable.
Each phase of the 3-phase current are divided into two outputs.
Power supply is performed to the left or to the right.

Includes: Two cable clamps and four mounting screws

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V / 400 V |
| Rated impulse voltage (III / 3) | 4 kV / 6 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; supply cable entry | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/450-000 | 1 |

## Supply Cable Entry
## 4 Outputs; A-Coding; *WINSTA*® MIDI

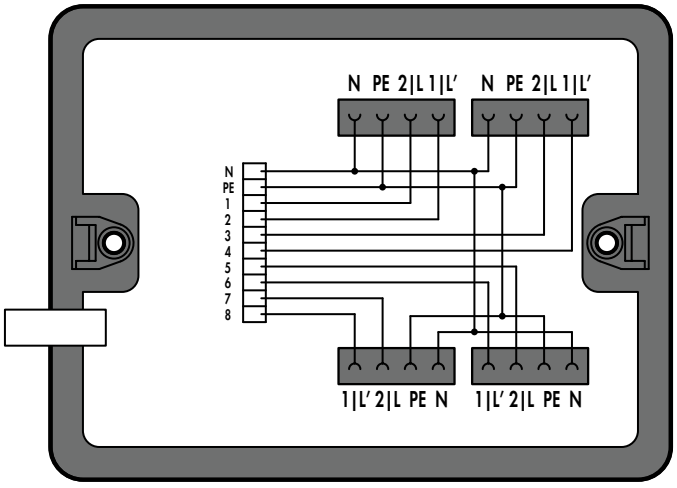
**Description**

Power supply is performed via 10-pole cable on a terminal strip.
Application example:
Blind drives control

Includes: One cable clamp and two mounting screws

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V / 400 V |
| Rated impulse voltage (III / 3) | 4 kV / 6 kV |
| Rated current | 16 A |
| Internal wiring | 1.5 mm² (halogen-free) |




| Distribution box; supply cable entry | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/453-000 | 1 |

(III / 3 ) ≙ Overvoltage category III / Pollution degree 3


| | |
|---|---|
| Accessories, 899 Series | Page 359 |
| Coding Overview | Page 372 |
| Approvals, see www.wago.com | |

# *WINSTA*® Boxes ▸ 899 Series
## Supply Cable Entry
## 8 Outputs; B-Coding; *WINSTA*® MINI

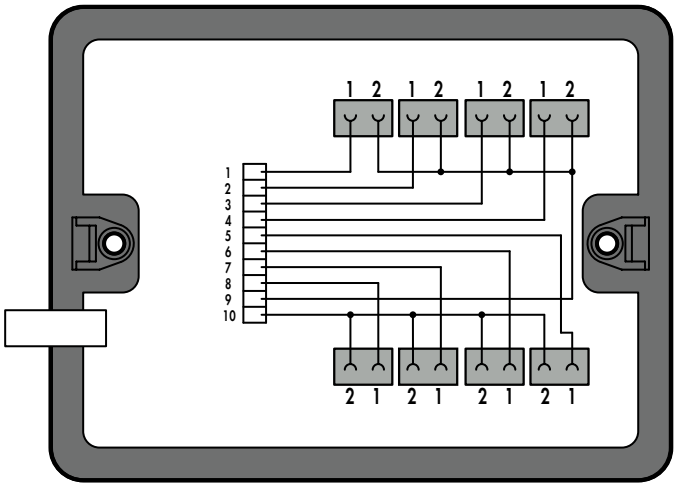
**Description**

Power supply is performed via 10-pole cable on a terminal strip.
Application example:
Valves control

Includes: One cable clamp and two mounting screws

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 6 A |
| Internal wiring | 0.75 mm² |




| Distribution box; supply cable entry | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/454-000 | 1 |

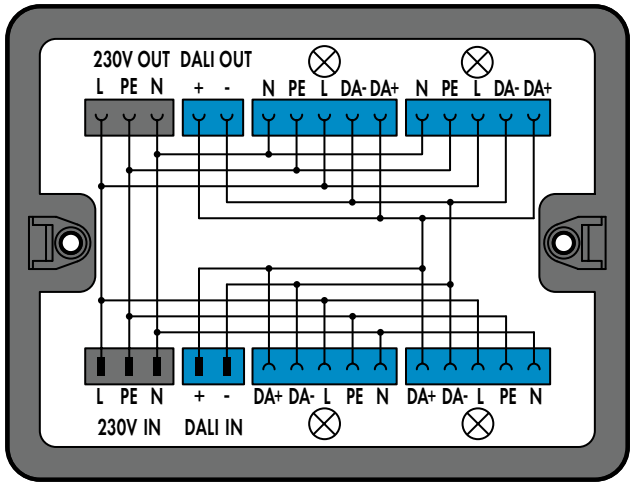
## 230 V + DALI
## 2 Inputs; 6 Outputs; A-, I-Coding; *WINSTA*® MINI; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box connects 5-pole DALI lights.
Power supply is performed via two cables (230 V and DALI). Both cables are combined into four outputs.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 25 A / 16 A |
| Internal wiring | 4 mm² / 1.5 mm² |




| Distribution box; 230 V + DALI | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/181-000 | 1 |

# *WINSTA*® Boxes ▸ 899 Series

## 400 V + DALI

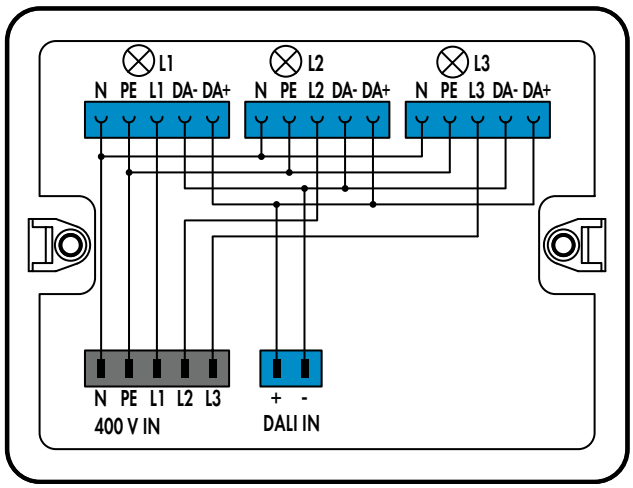
2 Inputs; 3 Outputs; A-, I-Coding; *WINSTA*® MINI; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box combines the L1, L2 and L3 phases of the 3-phase current with the DALI signal (separate cable).

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 400 V |
| Rated impulse voltage (III / 3) | 6 kV |
| Rated current | 20 A / 16 A |
| Internal wiring | 2.5 mm² / 1.5 mm² (halogen-free) |




| Distribution box; 400 V + DALI | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ○ white | 899-681/145-000 | 1 |

## 400 V + DALI

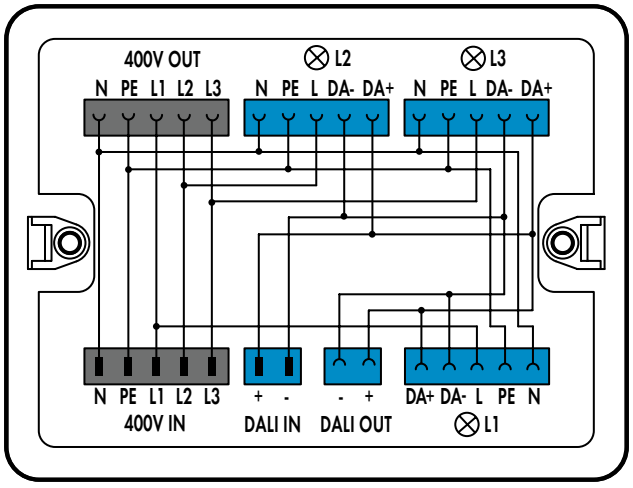
2 Inputs; 5 Outputs; A-, I-Coding; *WINSTA*® MINI; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box combines the L1, L2 and L3 phases of the 3-phase current with the DALI signal (separate cable).

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V / 400 V |
| Rated impulse voltage (III / 3) | 4 kV / 6 kV |
| Rated current | 20 A / 16 A |
| Internal wiring | 2.5 mm² / 1.5 mm² (halogen-free) |




| Distribution box; 400 V + DALI | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ○ white | 899-681/147-000 | 1 |

(III / 3 ) ≙ Overvoltage category III / Pollution degree 3


| | |
|---|---|
| Accessories, 899 Series | Page 359 |
| Coding Overview | Page 372 |
| Approvals, see www.wago.com | |

# *WINSTA*® Boxes ▸ 899 Series

## 400 V + DALI

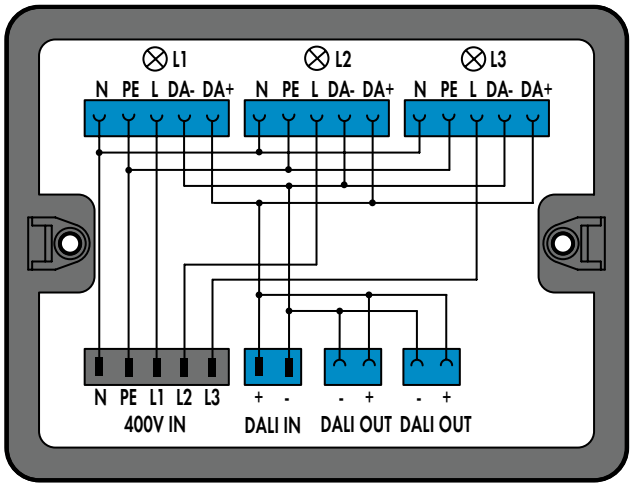
2 Inputs; 5 Outputs; A-, I-Coding; *WINSTA*® MINI; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box combines the L1, L2 and L3 phases of the 3-phase current with the DALI signal (separate cable).

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V / 400 V |
| Rated impulse voltage (III / 3) | 4 kV / 6 kV |
| Rated current | 20 A / 16 A |
| Internal wiring | 2.5 mm² / 1.5 mm² (halogen-free) |




| Distribution box; 400 V + DALI | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | **899-631/455-000** | 1 |

## 230 V + DALI

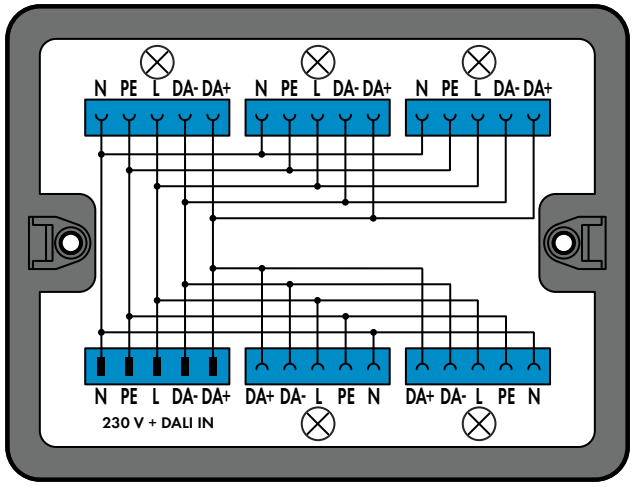
1 Input; 5 Outputs; I-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box connects 5-pole DALI lights.
Both 230 V power supply and DALI bus for light scene control are combined into a single line.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 20 A / 16 A |
| Internal wiring | 2.5 mm² / 1.5 mm² (halogen-free) |




| Distribution box; 230 V + DALI | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | **899-631/313-000** | 1 |

# *WINSTA*® Boxes ▸ 899 Series

## 230 V + DALI

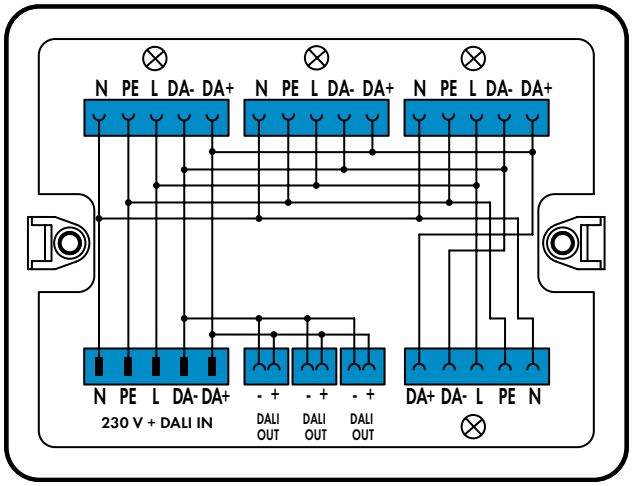
1 Input; 7 Outputs; I-Coding; *WINSTA*® MINI; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box connects 5-pole DALI lights.
Both 230 V power supply and DALI bus for light scene control are combined into a single line. Additionally, three isolated DALI signals are available.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V / 400 V |
| Rated impulse voltage (III / 3) | 4 kV / 6 kV |
| Rated current | 20 A / 16 A |
| Internal wiring | 2.5 mm² / 1.5 mm² (halogen-free) |




| Distribution box; 230 V + DALI | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ○ white | 899-681/146-000 | 1 |

## 230 V + SMI

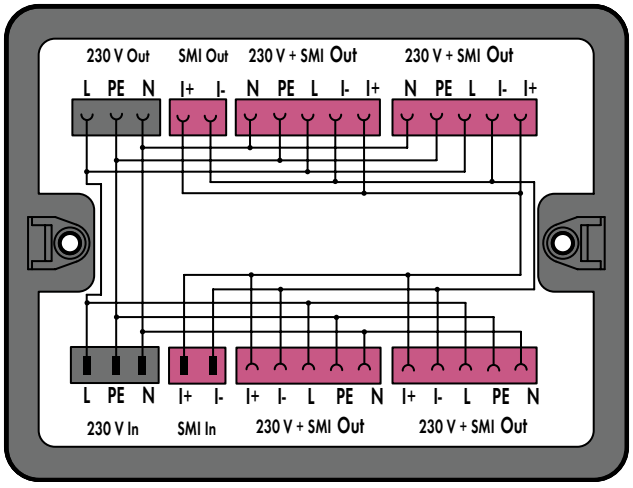
2 Inputs, 6 Outputs, A-, B-Coding; *WINSTA*® MINI; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box connects to 5-pole SMI drives. Power supply is performed via two cables (230 V and SMI).

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 25 A / 16 A |
| Internal wiring | 4 mm² / 1.5 mm² |




| Distribution box; 230 V + SMI | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/405-000 | 1 |

(III / 3 ) ≙ Overvoltage category III / Pollution degree 3


| | |
|---|---|
| Accessories, 899 Series | Page 359 |
| Coding Overview | Page 372 |
| Approvals, see www.wago.com | |

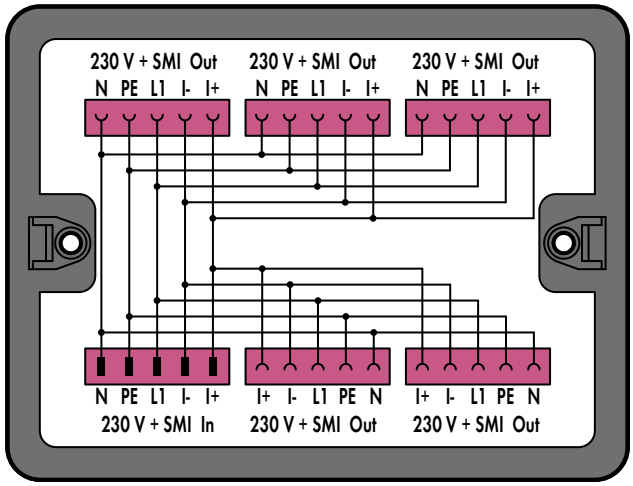
# *WINSTA*® Boxes ▸ 899 Series
## 230 V + SMI
## 1 Input; 5 Outputs; B-Coding, *WINSTA*® MIDI

**Description**

This *WINSTA*® Box connects to 5-pole SMI drives; 230 V power supply and SMI signal are combined into a single line.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 20 A / 16 A |
| Internal wiring | 2.5 mm² / 1.5 mm² (halogen-free) |




| Distribution box; 230 V + SMI | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | **899-631/421-000** | 1 |

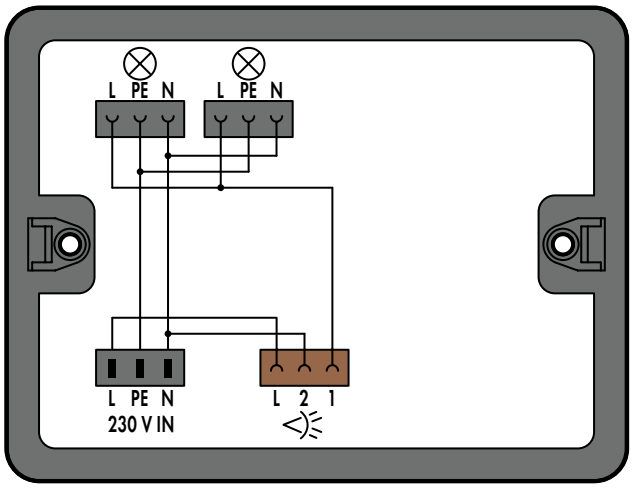
## Motion/Presence Detector
## 1 Input; 3 Outputs; A-, S-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box connects to one motion detector and two lights.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; motion/presence detector | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | **899-631/309-000** | 1 |

# *WINSTA*® Boxes ▸ 899 Series

## Motion/Presence Detector

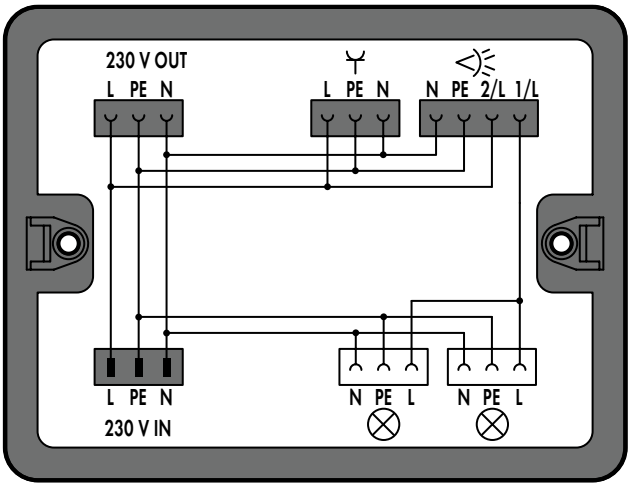
1 Input; 5 Outputs; A-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box connects to one motion detector, two lights and one outlet.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; motion/presence detector | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/180-000 | 1 |

## On/Off Switching

1 Input; 7 Outputs; A-, S-Coding; *WINSTA*® MIDI

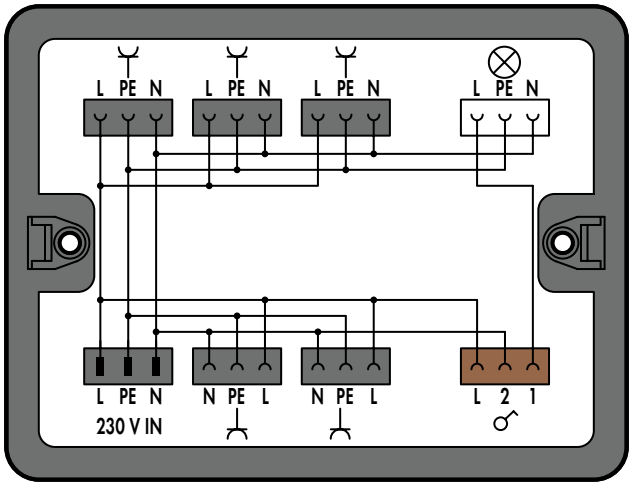
**Description**

This WINSTA® Box features one on/off switch with additional power outlets.

The distribution box is fitted on the 770-680 Mounting Plate.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 20 A |
| Internal wiring | 2.5 mm² (halogen-free) |




| Distribution box; on/off switching | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/478-000 | 1 |

(III / 3 ) ≙ Overvoltage category III / Pollution degree 3


| | |
|---|---|
| Accessories, 899 Series | Page 359 |
| Coding Overview | Page 372 |
| Approvals, see www.wago.com | |

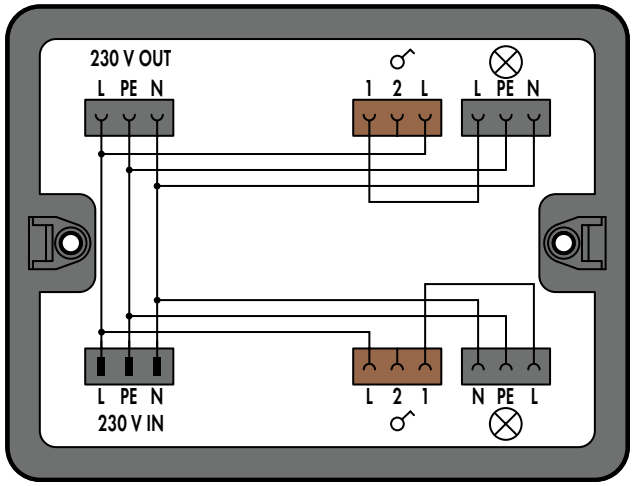
# *WINSTA*® Boxes ▸ 899 Series
## On/Off Switching
## 1 Input; 5 Outputs; A-, S-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box features two on/off switches for one light each.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; on/off switching | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/363-000 | 1 |

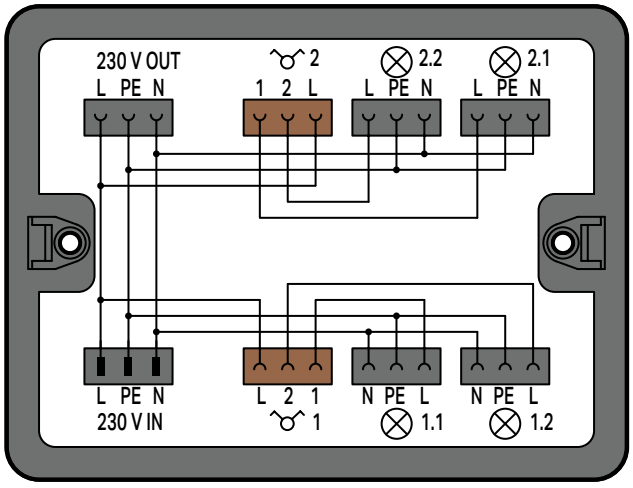
## Series Switching
## 1 Input; 7 Outputs; A-, S-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box features two series switches with pluggable connectors.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; series switching | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/386-000 | 1 |

# *WINSTA*® Boxes ▸ 899 Series

## Changeover Switching

1 Input; 7 Outputs; A-, S-Coding; *WINSTA*® MIDI

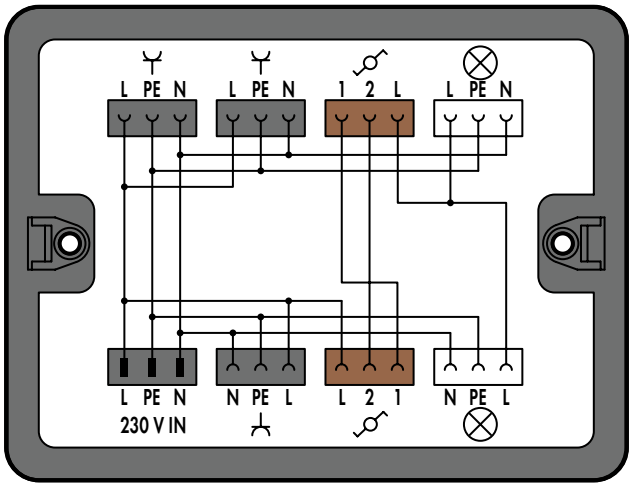
**Description**

This *WINSTA*® Box features two changeover switches and connects to power outlets.

The distribution box is fitted on the 770-680 Mounting Plate.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; changeover switching | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/189-000 | 1 |

## Changeover Switching

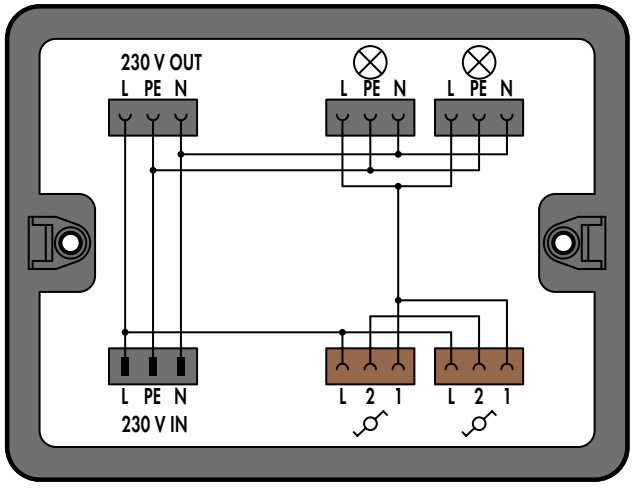
1 Input; 5 Outputs; A-, S-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box features two changeover switches for two lights.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; changeover switching | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/308-000 | 1 |

(III / 3 ) ≙ Overvoltage category III / Pollution degree 3


| | |
|---|---|
| Accessories, 899 Series | Page 359 |
| Coding Overview | Page 372 |
| Approvals, see www.wago.com | |

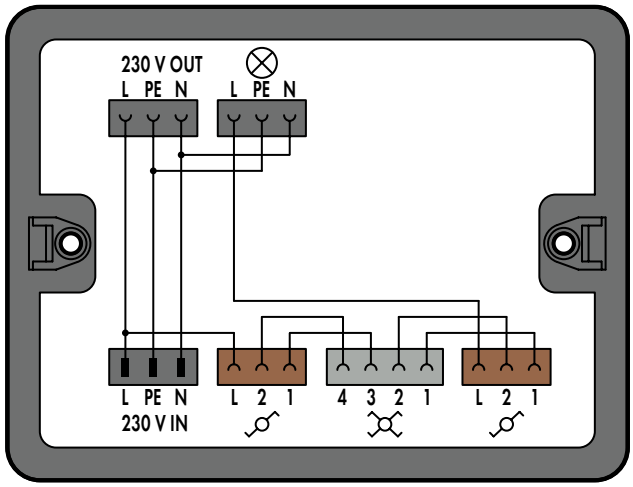
# *WINSTA*® Boxes ▸ 899 Series
## Crossover Switching
1 Input; 5 Outputs; A-, B-, S-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box features one crossover switch.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 25 A |
| Internal wiring | 4 mm² |




| Distribution box; crossover switching | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/305-000 | 1 |

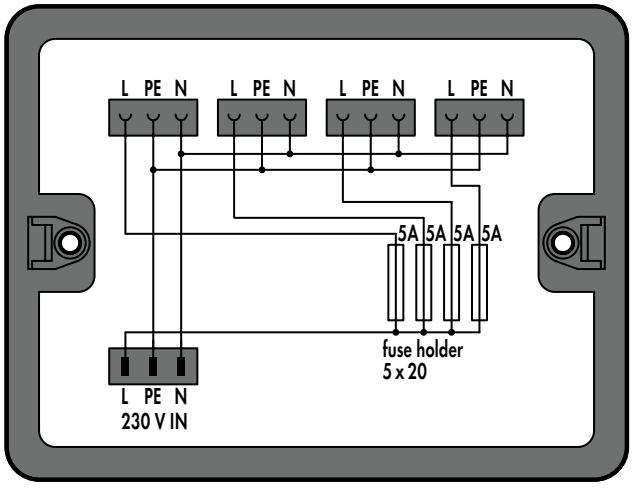
## Cable and Device Protection
1 Input; 4 Outputs; A-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box protects four components within a device (5 x 20 mm fuse holder). Power supply is performed using a 3-pole connecting cable.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 5 A |
| Internal wiring | 2.5 mm² (halogen-free) |




| Distribution box; cable and device protection | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-631/315-000 | 1 |

# *WINSTA*® Boxes ▸ 899 Series

## Latching Relay

## 1 Input; 4 Outputs; A-, S-Coding; *WINSTA*® MIDI

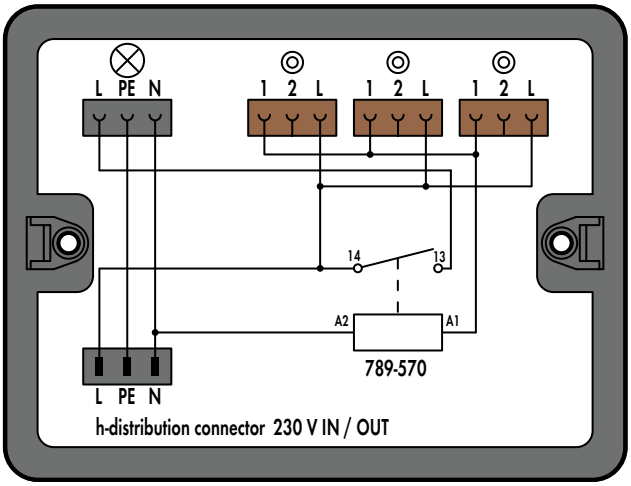
**Description**

This *WINSTA*® Box features one latching relay with three push-buttons and one light. Power supply (230 V, through wiring) is performed using the provided h-distribution connector.

Includes: One 770-633 h-Distribution Connector

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 16 A |
| Internal wiring | 2.5 mm² (halogen-free) |




| Distribution box; latching relay | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-632/101-000 | 1 |

## Latching Relay

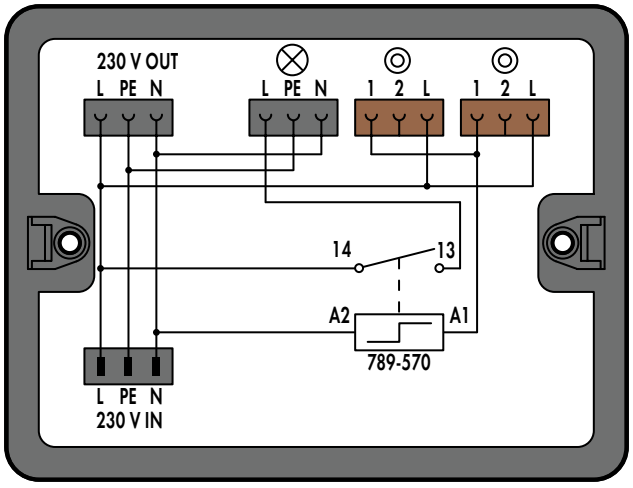
## 1 Input; 4 Outputs; A-, S-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box features one latching relay with two push-buttons and one light.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 16 A |
| Internal wiring | 2.5 mm² (halogen-free) |




| Distribution box; latching relay | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-632/138-000 | 1 |

(III / 3 ) ≙ Overvoltage category III / Pollution degree 3


| | |
|---|---|
| Accessories, 899 Series | Page 359 |
| Coding Overview | Page 372 |
| Approvals, see www.wago.com | |

# *WINSTA*® Boxes ▸ 899 Series

## Latching Relay

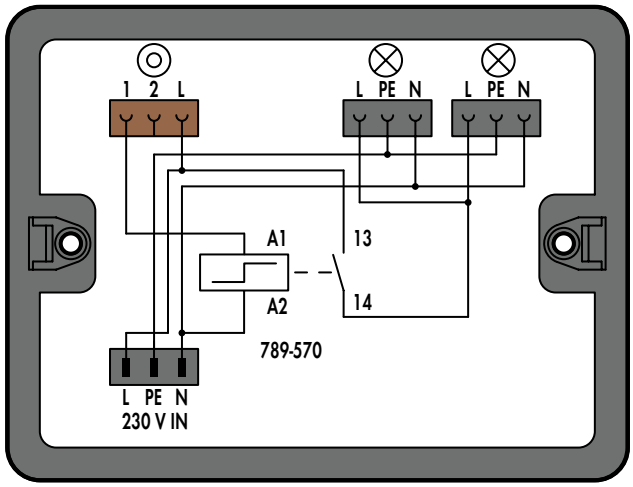
2 Inputs; 2 Outputs; A-, S-Coding; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box features a latching relay with one push-button and two lights.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 16 A |
| Internal wiring | 2.5 mm² (halogen-free) |




| Distribution box; latching relay | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-632/103-000 | 1 |

## Relay Switching

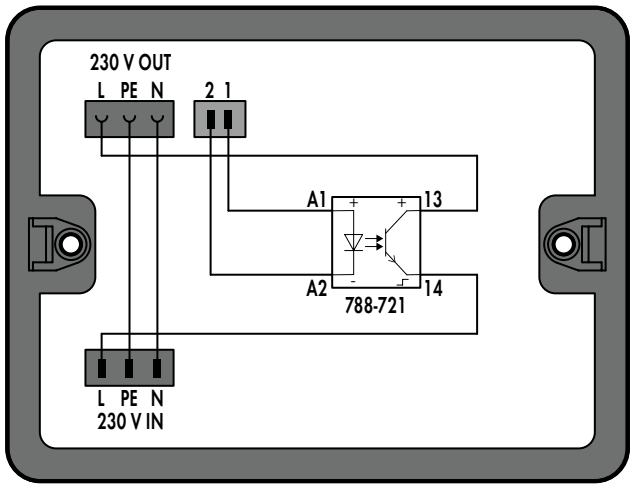
2 Inputs; 1 Output; A-, B-Coding; *WINSTA*® MINI; *WINSTA*® MIDI

**Description**

This *WINSTA*® Box features one solid-state relay and switches 230 V at the zero cross.

**Technical Data**

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 4 A |
| Internal wiring | 1.5 mm² (halogen-free) |




| Distribution box; relay switching | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | 899-632/102-000 | 1 |

# *WINSTA*® Boxes ▸ 899 Series
# Distribution Box for Self-Assembly

**Description**

This *WINSTA*® Box is designed for custom assembly/wiring and includes: 1 bottom, 1 lid, 2 sidewalls and 16 MIDI mounting pins.



| Distribution box; for self-assembly | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | **899-631** | 1 |
| ○ white | **899-681** | 1 |

## Distribution Box for Self-Assembly

**Description**

This *WINSTA*® Box is designed for custom wiring with an electronic module (1 module on DIN-35 rail) and includes: 1 bottom, 1 lid, 1 sidewall, 1 sidewall with DIN-35 rail and 10 MIDI mounting pins.



| Distribution box; for self-assembly | | |
|---|---|---|
| Color | Item No. | Pack. Unit |
| ● black | **899-632** | 1 |
| ○ white | **899-682** | 1 |

(III / 3 ) ≙ Overvoltage category III / Pollution degree 3


| | |
|---|---|
| Accessories, 899 Series | Page 359 |
| Coding Overview | Page 372 |
| Approvals, see www.wago.com | |



# WAGO Accessories and WAGO Tools

# WAGO Accessories and WAGO Tools




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# Accessories ▸ *WINSTA*® MINI ▸ 890, 891 Series



| Locking lever; for flying leads; manually operated | | |
|---|---|---|
| Color | Item No. | PU (SPU) |
| black | 890-101 | 100(50) |
| white | 890-121 | 100(50) |



| Mounting carrier; 2- to 5-pole; for flying leads | | |
|---|---|---|
| Color | Item No. | PU |
| black | 890-310 | 100 |
| white | 890-311 | 100 |



| Lockout cap; for cutout; 2-pole | | |
|---|---|---|
| Color | Item No. | PU |
| black | 890-642 | 100 |
| white | 890-692 | 100 |

| Lockout cap; for cutout; 3-pole | | |
|---|---|---|
| Color | Item No. | PU |
| black | 890-643 | 100 |
| white | 890-693 | 100 |

| Lockout cap; for cutout; 4-pole | | |
|---|---|---|
| Color | Item No. | PU |
| black | 890-644 | 100 |
| white | 890-694 | 100 |

| Lockout cap;for cutout; 5-pole | | |
|---|---|---|
| Color | Item No. | PU |
| black | 770-643 | 100 |
| white | 770-693 | 100 |



| Locking lever; for flying leads; tool operated | | |
|---|---|---|
| Color | Item No. | PU (SPU) |
| black | 890-111 | 100(50) |
| white | 890-131 | 100(50) |



All connectors for mounted installations (snap-in versions, pluggable PCB connectors, distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for "flying leads" (plug/socket).



Locking connector via integrated lever.
Locking second connector for a secure connection.



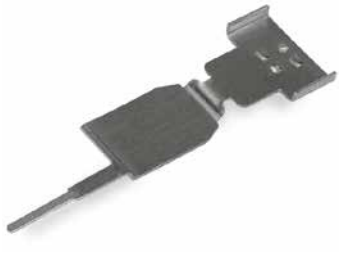
Seal unused cutout with lockout cap.

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

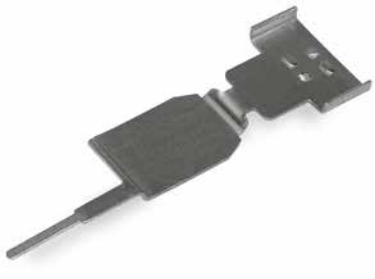
# Accessories ▸ *WINSTA*® MINI ▸ 890 Series



| Shield connecting plate; for 3-pole plugs and sockets | | |
|---|---|---|
| | Item No. | PU |
| | 890-523 | 50 |



| Shield connecting plate; for socket; 4-pole | | |
|---|---|---|
| | Item No. | PU |
| | 890-524 | 50 |



| Shield connecting plate; for socket; 5-pole | | |
|---|---|---|
| | Item No. | PU |
| | 890-526 | 50 |



| Shield connecting plate; for plug; 4-pole | | |
|---|---|---|
| | Item No. | PU |
| | 890-525 | 50 |



| Shield connecting plate; for plug; 5-pole | | |
|---|---|---|
| | Item No. | PU |
| | 890-527 | 50 |



Connector with shield termination

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® MINI ▸ 890 / 891 Series

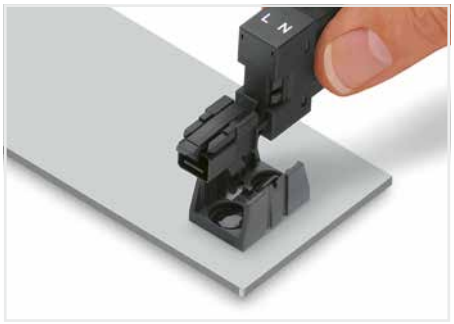


| Mounting plate for distribution connector; 2-pole | | |
|---|---|---|
| Color | Item No. | PU |
| black | 890-1622 | 100 |
| white | 890-1672 | 100 |

| Mounting plate; for distribution connector; 3-pole | | |
|---|---|---|
| Color | Item No. | PU |
| black | 890-623 | 100 |
| white | 890-673 | 100 |

| Mounting plate; for distribution connector; 4-pole | | |
|---|---|---|
| Color | Item No. | PU |
| black | 890-624 | 50 |
| white | 890-674 | 50 |

| Mounting plate; for distribution connector; 5-pole | | |
|---|---|---|
| Color | Item No. | PU |
| black | 890-625 | 50 |
| white | 890-675 | 50 |




The distribution connectors snap together when attached to the mounting plate.



| Mounting pin; for mounting plates; 5 mm Ø; 0.2 … 1.2 mm plate thickness | | |
|---|---|---|
| Color | Item No. | PU |
| black | 890-601 | 250 |



Secure the mounting plate via pins.



| Protective cap; type 1; for 890 series: 2- and 3-pole for 891 series: 2- and 3-pole | | |
|---|---|---|
| Color | Item No. | PU |
| red | 897-2001 | 25 |



| Protective cap; type 2; for 890 series: 4- and 5-pole for 891 series: 4- and 5-pole | | |
|---|---|---|
| Color | Item No. | PU |
| red | 897-2003 | 25 |

8

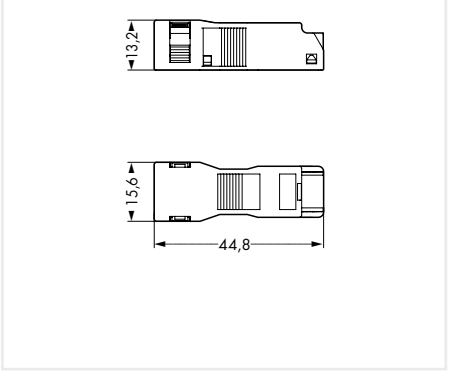
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® MINI ▸ 890 Series



Strain relief housing;
for 3.8 … 8.2 mm cable diameter; 32 mm strip length

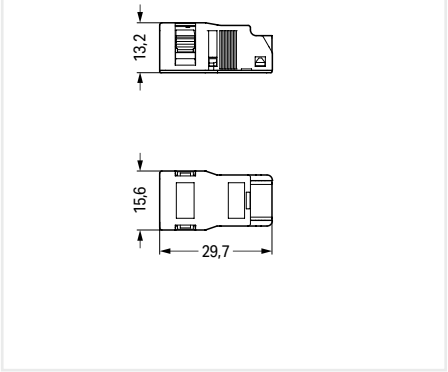
| Color | Item No. | PU |
|---|---|---|
| black | 890-502 | 50 |
| white | 890-512 | 50 |






Strain relief housing; short;
for 3.8 … 8.2 mm cable diameter; 17.5 mm strip length

| Color | Item No. | PU |
|---|---|---|
| black | 890-502/342-000 | 50 |
| white | 890-512/342-000 | 50 |




8

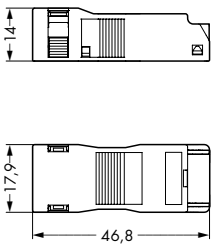
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® MINI ▸ 890 Series



Strain relief housing; for 4.5 … 10 mm cable diameter; 40 mm strip length

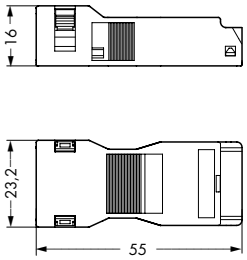
| Color | Item No. | PU |
|---|---|---|
| black | 890-503 | 50 |
| white | 890-513 | 50 |






Strain relief housing; for 6.5 … 10.5 mm cable diameter; 45 mm strip length

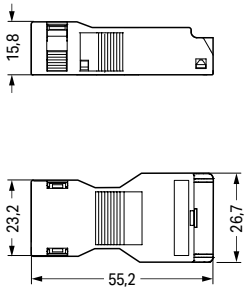
| Color | Item No. | PU |
|---|---|---|
| black | 890-504 | 50 |
| white | 890-514 | 50 |






Strain relief housing; for 6.5 … 10.5 mm cable diameter; 45 mm strip length

| Color | Item No. | PU |
|---|---|---|
| black | 890-505 | 50 |
| white | 890-515 | 50 |



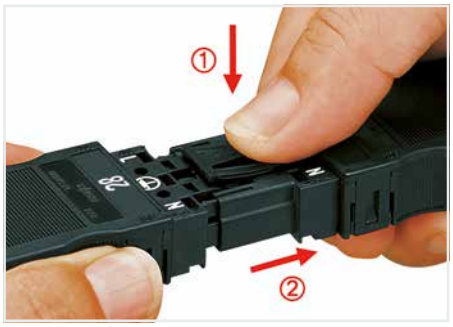

8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® MIDI ▸ 770, 771 Series



| Locking lever; for flying leads; manually operated | | |
|---|---|---|
| Color | Item No. | PU (SPU) |
| black | 770-101 | 100(25) |
| white | 770-121 | 100(25) |




Locking lever, manually operated:
- Push on locking lever
- Pull the connectors apart



| Locking lever; oversized; tool operated | | |
|---|---|---|
| Color | Item No. | PU (SPU) |
| gray | 770-140 | 100(25) |



Snap-in connector with protruding locking lever



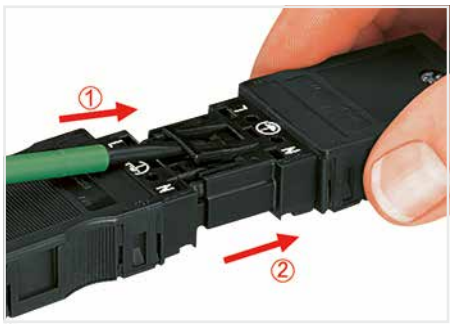
| Coding pin; for plug (A- and B-coding) | | |
|---|---|---|
| Color | Item No. | PU |
| gray | 770-401 | 100 |



Insert coding pin into the plug.



| Locking lever; for flying leads; tool operated | | |
|---|---|---|
| Color | Item No. | PU (SPU) |
| black | 770-111 | 100(25) |
| white | 770-131 | 100(25) |




Locking lever, tool operated:
- Unlatch locking lever
- Pull the connectors apart

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® MIDI ▸ 770, 771 Series



| Mounting carrier; 2- to 5-pole; for flying leads | | |
|---|---|---|
| Color | Item No. | PU |
| black | 770-310 | 100 |



| Lockout cap; for socket; separable; 12-pole | | |
|---|---|---|
| Color | Item No. | PU |
| black | 770-201 | 100 |
| white | 770-221 | 100 |



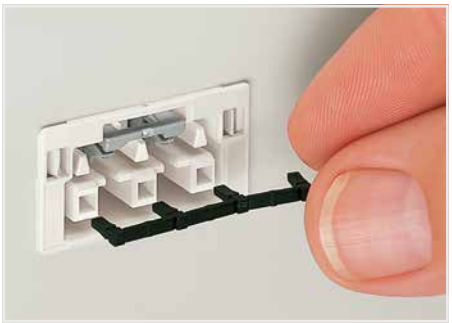
| Lockout cap; for cutout; 3-pole | | |
|---|---|---|
| Color | Item No. | PU |
| black | 770-643 | 100 |
| white | 770-693 | 100 |

| Lockout cap; for cutout; 4-pole | | |
|---|---|---|
| Color | Item No. | PU |
| black | 770-644 | 100 |
| white | 770-694 | 100 |

| Lockout cap; for cutout; 5-pole | | |
|---|---|---|
| Color | Item No. | PU |
| black | 770-645 | 100 |
| white | 770-695 | 100 |




| Lockout cap; for plug; separable; 5-pole | | |
|---|---|---|
| Color | Item No. | PU |
| gelb | 770-360 | 100 |



Seal an unmated socket by simply inserting a lockout cap. This prevents the smallest particles from entering the socket.



Seal unused cutout with lockout cap.

8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® MIDI ▸ 770 Series



Protective cap; type 2;
for 770 series: 2-pole
for 771 series: 2- and 3-pole

| Color | Item No. | PU |
|---|---|---|
| red | 897-2003 | 25 |



Protective cap; type 4;
for 770 series: 4- and 5-pole
for 771 series: 5-pole

| Color | Item No. | PU |
|---|---|---|
| red | 897-2005 | 25 |



Mounting plate for distribution connector; 2-pole

| Color | Item No. | PU |
|---|---|---|
| black | 770-1626 | 25 |
| white | 770-1627 | 25 |

Mounting plate; for distribution connector; 3-pole

| Color | Item No. | PU |
|---|---|---|
| black | 770-623 | 25 |
| white | 770-673 | 25 |

Mounting plate; for distribution connector; 4-pole

| Color | Item No. | PU |
|---|---|---|
| black | 770-624 | 25 |
| white | 770-674 | 25 |

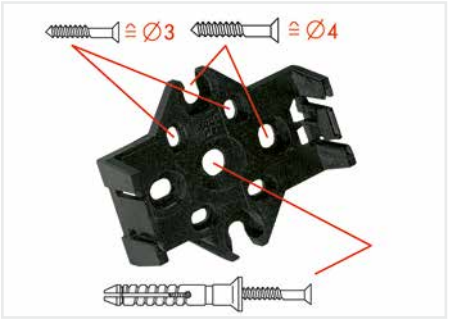
Mounting plate; for distribution connector; 5-pole

| Color | Item No. | PU |
|---|---|---|
| black | 770-625 | 25 |
| white | 770-675 | 25 |



Mounting pin; for mounting plates; 6 mm Ø; 1 … 2.5 mm plate thickness

| Color | Item No. | PU |
|---|---|---|
| black | 770-601 | 250 |




Mounting plates can be secured using commercially available screws or nail-drive anchors.



The mounting plate can be centrally mounted, or attached via outboard attachment points using 770-601 Mounting Pins.

8

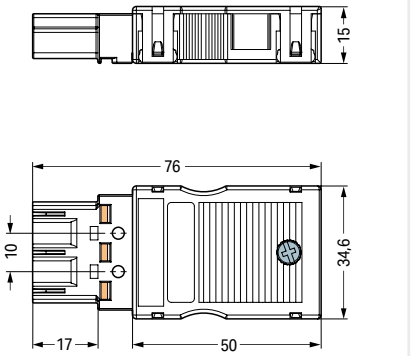
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® MIDI ▸ 770 Series



Shorting plug; S-coding; brown plug with assembled strain relief housing and bridge

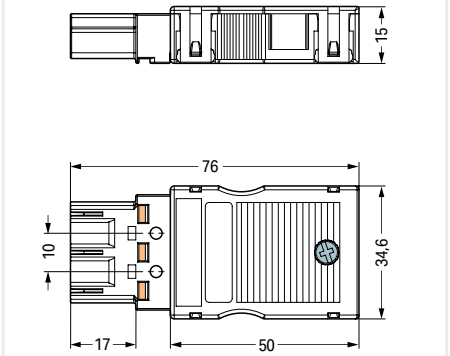
| Color/Marking | Item No. | PU |
|---|---|---|
| | 770-1373/146-000 | 50 |
| | 770-1373/147-000 | 50 |
| | 770-1373/148-000 | 50 |
| | 770-1373/149-000 | 50 |

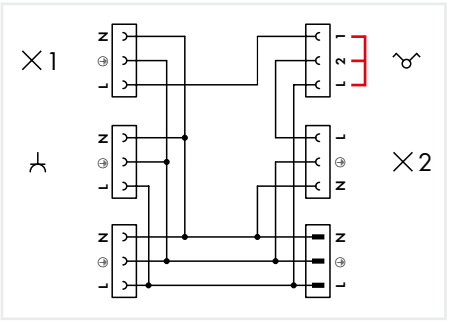




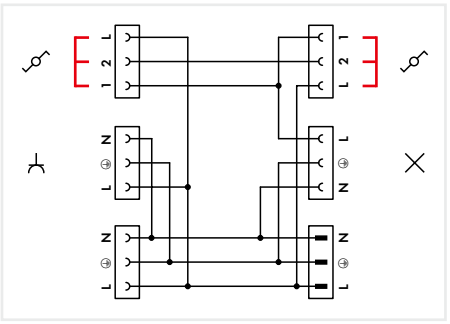

Shorting plug; A-coding; black plug with assembled strain relief housing and bridge

| Color/Marking | Item No. | PU |
|---|---|---|
| | 770-113/147-000 | 50 |

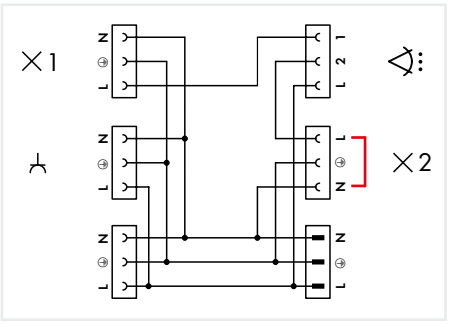


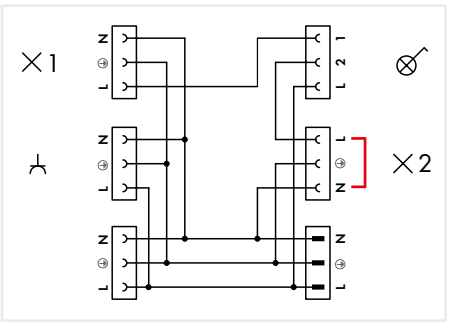

Internal circuit of 770-637 Distribution Connector with possible insertion position of 770-1373/14x-000 Shorting Plug.




Internal circuit of 770-638 Distribution Connector with possible insertion positions of 770-1373/14x-000 Shorting Plug.




Internal circuit of 770-637 Distribution Connector with insertion position of 770-113/147-000 Shorting Plug for connecting a motion sensor.




Internal circuit of 770-637 Distribution Connector with insertion position of 770-113/147-000 Shorting Plug for connecting a switch with control lamp.

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® MIDI ▸ 770 Series



Shield connecting plate; for 3-pole plugs and sockets

| | Item No. | PU |
|---|---|---|
| | 770-523 | 25 |



Shield connecting plate; for 5-pole sockets; for two cables

| | Item No. | PU |
|---|---|---|
| | 770-526 | 25 |



Shield connecting plate; for 5-pole plugs; for two cables

| | Item No. | PU |
|---|---|---|
| | 770-527 | 25 |

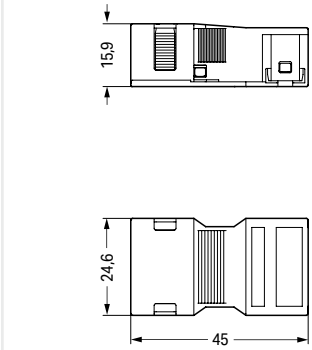


Connector with shield termination



Strain relief housing; for one cable; 5 … 9 mm cable diameter; 35 mm strip length

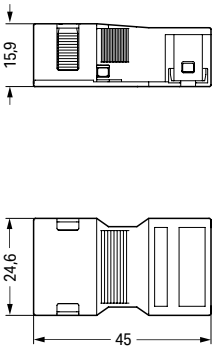
| Color | Item No. | PU |
|---|---|---|
| black | 770-502/042-000 | 50 |
| white | 770-512/042-000 | 50 |






Strain relief housing; for one cable; 7 … 10.5 mm cable diameter; 35 mm strip length

| Color | Item No. | PU |
|---|---|---|
| black | 770-502/041-000 | 50 |
| white | 770-512/041-000 | 50 |



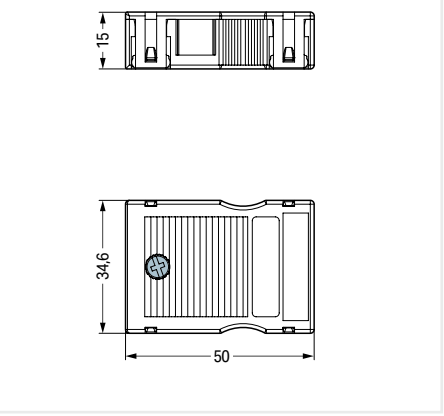

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® MIDI ▸ 770 Series
## 3-Pole



Strain relief housing; for two cables;
for 4.5 … 8 mm cable diameter; 55 mm strip length

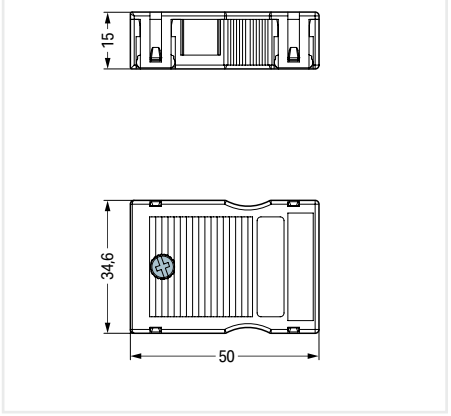
| Color | Item No. | PU |
|---|---|---|
| black | 770-503/023-000 | 50 |
| white | 770-513/023-000 | 50 |






Strain relief housing; for two cables;
for 8 … 11.5 mm cable diameter; 55 mm strip length

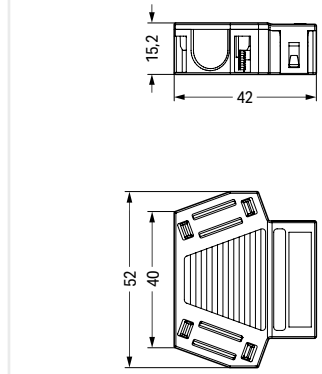
| Color | Item No. | PU |
|---|---|---|
| black | 770-503 | 50 |
| white | 770-513 | 50 |






Strain relief housing; angled; for two cables;
for 8 … 11.5 mm cable diameter; 55 mm strip length

| Color | Item No. | PU |
|---|---|---|
| black | 770-503/032-000 | 25 |
| white | 770-513/032-000 | 25 |




8

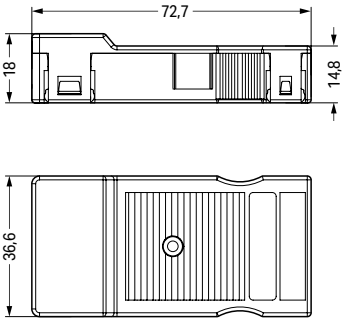
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® MIDI ▸ 770 Series
## 3-Pole



Strain relief housing; for 4 mm² cables; for one cable; 9 … 13 mm cable diameter; 71 mm strip length

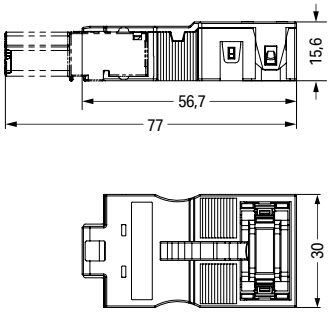
| Color | Item No. | PU |
|---|---|---|
| black | 770-503/021-000 | 50 |
| white | 770-513/021-000 | 50 |






Strain relief housing; for quick assembly; for one cable; 7 … 11.5 mm cable diameter; 48 mm strip length

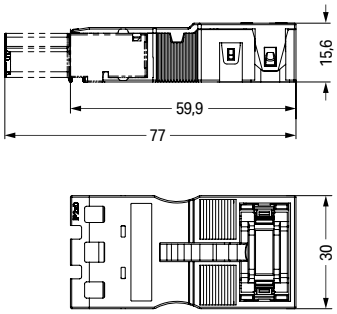
| Color | Item No. | PU |
|---|---|---|
| black | 770-503/035-000 | 50 |
| white | 770-513/035-000 | 50 |






Strain relief housing; IP 2xD; for one cable; 7 … 11.5 mm cable diameter; 48 mm strip length

| Color | Item No. | PU |
|---|---|---|
| black | 770-503/038-000 | 50 |
| white | 770-513/038-000 | 50 |



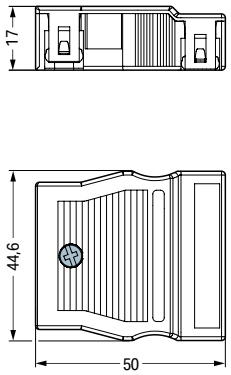

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® MIDI ▸ 770 Series
# 4-Pole

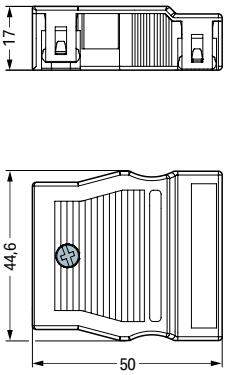




| Strain relief housing; for two cables; for 5 … 9 mm cable diameter; 55 mm strip length | | |
|---|---|---|
| Color | **Item No.** | PU |
| black | **770-504/023-000** | 50 |
| white | **770-514/023-000** | 50 |




| Strain relief housing; for two cables; for 9 … 13 mm cable diameter; 55 mm strip length | | |
|---|---|---|
| Color | **Item No.** | PU |
| black | **770-504** | 50 |
| white | **770-514** | 50 |



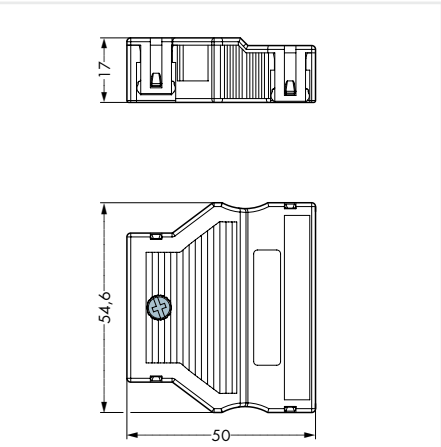

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® MIDI ▸ 770 Series
## 5-Pole



Strain relief housing; for two cables; for 5 … 9 mm cable diameter; 55 mm strip length

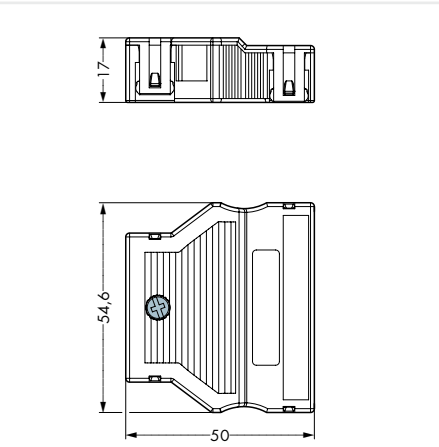
| Color | Item No. | PU |
|---|---|---|
| black | 770-505/023-000 | 25 |
| white | 770-515/023-000 | 25 |






Strain relief housing; for two cables; for 9 … 13 mm cable diameter; 55 mm strip length

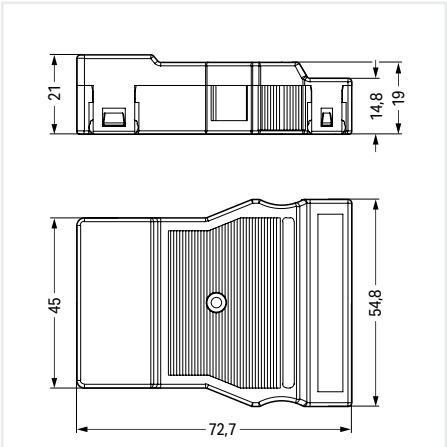
| Color | Item No. | PU |
|---|---|---|
| black | 770-505 | 25 |
| white | 770-515 | 25 |






Strain relief housing; for one cable; 11.5 … 16.5 mm cable diameter; 71 mm strip length

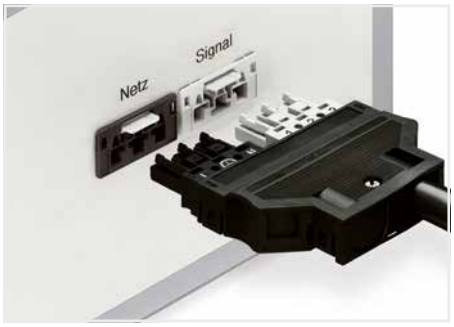
| Color | Item No. | PU |
|---|---|---|
| black | 770-505/021-000 | 25 |
| white | 770-515/021-000 | 25 |




8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® MIDI ▸ 770 Series
## 6-Pole

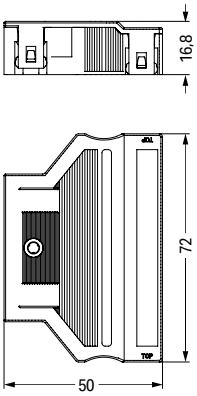



Snap-on type strain relief housings for:
- two 3-pole sockets
- two 3-pole plugs
- 3-pole socket and plug



Strain relief housing; for two cables;
for 8.5 … 13.5 mm cable diameter; 55 mm strip length

| Color | Item No. | PU |
|---|---|---|
| black | 770-506/029-000 | 20 |
| white | 770-516/029-000 | 20 |



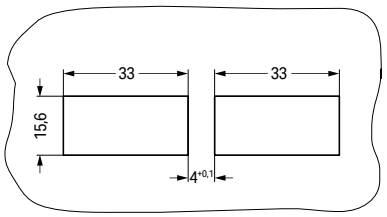
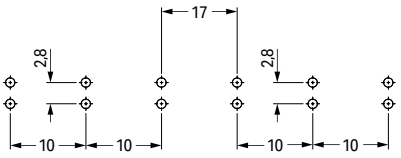




Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Using a 6-pole strain relief housing with snap-in connectors requires the cutout dimensions shown above.

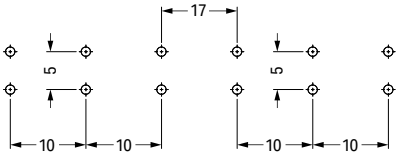
Straight design




Drilled hole diameter: 1.5$^{+0.1}$ mm

Using a straight, 6-pole PCB connector requires the hole patterns shown above.

Angled design




Drilled hole diameter: 1.5$^{+0.1}$ mm

Using an angled, 6-pole PCB connector requires the hole patterns shown above.

8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® MIDI ▸ 770 Series
## 7-Pole

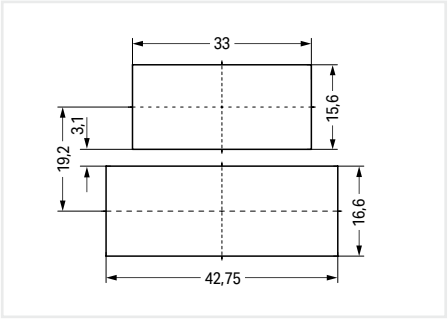


Snap-on type strain relief housings for:
- 3-pole socket or plug
- 4-pole socket or plug



Strain relief housing; for one cable; 8 … 15 mm cable diameter; 55 mm strip length

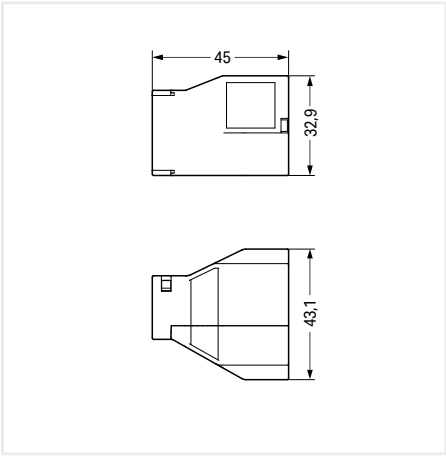
| Color | Item No. | PU |
|---|---|---|
| black | 770-507/047-000 | 200 |
| white | 770-517/047-000 | 200 |




Using a 7-pole strain relief housing with snap-in connectors requires the cutout dimensions shown above.



Flying leads
(NOTICE: Only use locking levers on upper position)






Flying leads

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® MIDI ▸ 770 Series




Insert the socket or plug into the frame (observe the "TOP" marking on the frame!), then snap the assembled unit into the cutout (example shows a 3-pole connector).



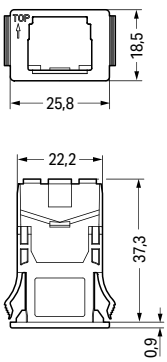
Snap-in frame; for 2-pole sockets and plugs; for 1 … 3 mm plate thickness

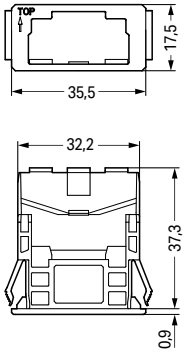
| Color | Item No. | PU |
|---|---|---|
| black | 770-317 | 100 |
| white | 770-337 | 100 |



Snap-in frame; for 3-pole sockets and plugs; for 1 … 3 mm plate thickness

| Color | Item No. | PU |
|---|---|---|
| black | 770-318 | 100 |
| white | 770-338 | 100 |



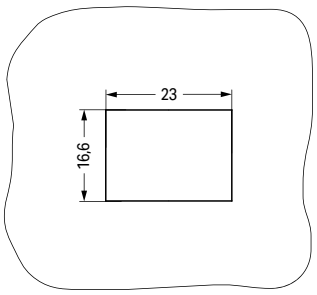




Plate thickness: 1 … 3 mm
Cutout tolerance: + 0.1 mm

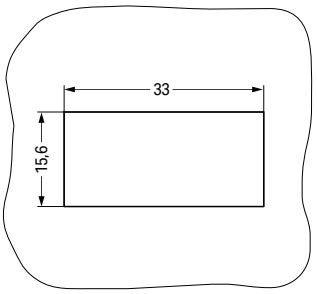



Plate thickness: 1 … 3 mm
Cutout tolerance: + 0.1 mm

8

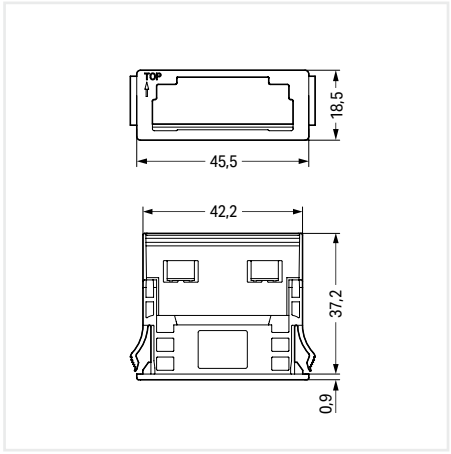
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® MIDI ▸ 770 Series



Snap-in frame; for 4-pole sockets and plugs; for 1 … 3 mm plate thickness

| Color | Item No. | PU |
|---|---|---|
| black | 770-319 | 100 |
| white | 770-339 | 100 |



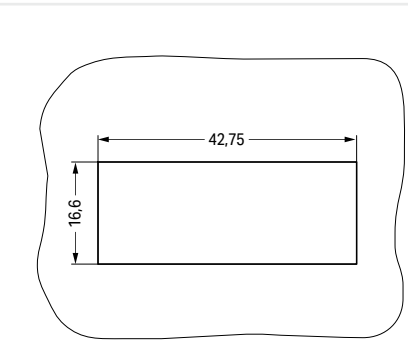
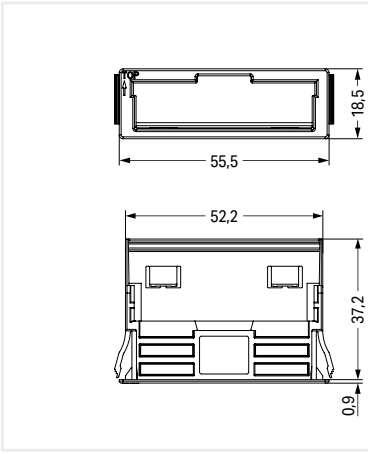




Plate thickness: 1 … 3 mm
Cutout tolerance: + 0.1 mm



Snap-in frame; for 5-pole sockets and plugs; for 0.5 … 2 mm plate thickness

| Color | Item No. | PU |
|---|---|---|
| black | 770-321 | 100 |
| white | 770-341 | 100 |



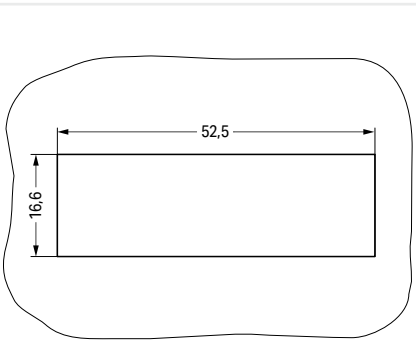
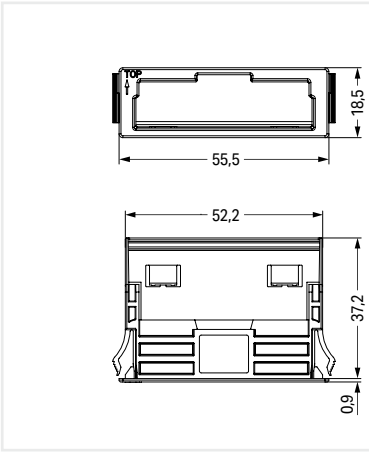




Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm



Snap-in frame; for 5-pole sockets and plugs; for 1 … 3 mm plate thickness; for A-coding/B/I/P/Q

| Color | Item No. | PU |
|---|---|---|
| black | 770-320 | 100 |
| white | 770-340 | 100 |



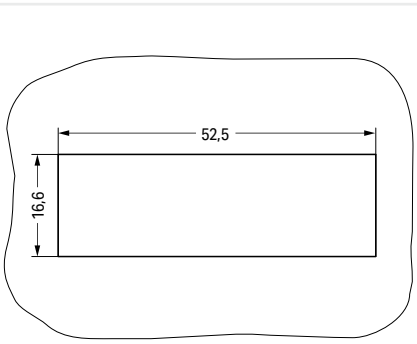




Plate thickness: 1 … 3 mm
Cutout tolerance: + 0.1 mm

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® MIDI ▸ 770 Series
# Accessories ▸ *WINSTA*® RD ▸ 774 Series



Mounting plate; for Snap-in; Plastic; for detectors and sensors; Ø 200 mm

| Color | Item No. | PU |
|---|---|---|
| red | 897-2100 | 25 |



Snap-in frame; Plastic; for flexible plastic conduits; Ø 16 mm

| Color | Item No. | PU |
|---|---|---|
| red | 897-2105 | 25 |



Protective cap; type 1; for 774 series: 3- and 4-pole

| Color | Item No. | PU |
|---|---|---|
| red | 897-2001 | 25 |

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® Boxes ▸ 899 Series



| Adapter for distribution boxes; for *WINSTA*® MINI connectors; 2-pole | | |
|---|---|---|
| Color | **Item No.** | PU |
| gray | **890-302** | 50 |

| Adapter for distribution boxes; for *WINSTA*® MINI connectors; 3-pole | | |
|---|---|---|
| Color | **Item No.** | PU |
| gray | **890-303** | 50 |

| Adapter for distribution boxes; for *WINSTA*® MINI connectors; 4-pole | | |
|---|---|---|
| Color | **Item No.** | PU |
| gray | **890-304** | 50 |

| Adapter for distribution boxes; for *WINSTA*® MINI connectors; 5-pole | | |
|---|---|---|
| Color | **Item No.** | PU |
| gray | **890-305** | 50 |



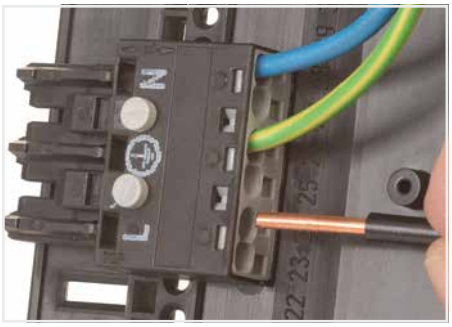
| Mounting pin for distribution boxes; for *WINSTA*® MIDI connectors | | |
|---|---|---|
| Color | **Item No.** | PU |
| gray | **770-630** | 100 |



| Mounting plate; for distribution boxes | | |
|---|---|---|
| | **Item No.** | PU |
| | **770-680** | 25 |




Using adapters to install *WINSTA*® MINI connectors in a distribution box.




Using mounting pins to secure *WINSTA*® MIDI connectors in a distribution box .



Wall-mounted *WINSTA*® Distribution Box

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® IDC ▸ 772 Series



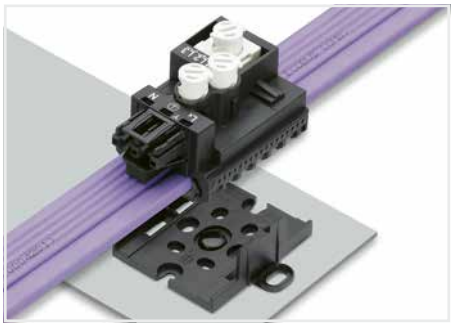
| Mounting plate; for supply and tap-off modules | | |
|---|---|---|
| Color | **Item No.** | PU |
| black | **772-260** | 10 |



| Mounting pin; for mounting plates; 6 mm Ø; 1 … 2.5 mm plate thickness | | |
|---|---|---|
| Color | **Item No.** | PU |
| black | **770-601** | 250 |



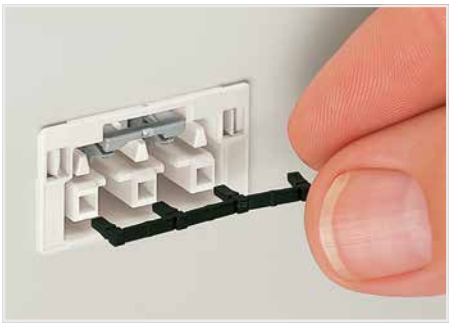
| Lockout cap; for socket; separable; 12-pole | | |
|---|---|---|
| Color | **Item No.** | PU |
| black | **770-201** | 100 |
| white | **770-221** | 100 |



Snapping a supply or tap-off module onto a mounting plate.



The mounting plate can be centrally mounted, or attached via outboard attachment points using 770-601 Mounting Pins.



Seal an unmated socket by simply inserting a lockout cap. This prevents the smallest particles from entering the socket.

8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® IDC ▸ 895 Series



| Cable fitting; M 40 x 1.5; clamping range: 20 … 26 mm Ø; with O-ring gasket; plastic | | |
|---|---|---|
| Color | **Item No.** | PU |
| black | **895-1601** | 5 |

| Cable fitting; M 25 x 1.5; clamping range: 9 … 16 mm Ø; with O-ring gasket; plastic | | |
|---|---|---|
| Color | **Item No.** | PU |
| gray | **895-1602** | 5 |

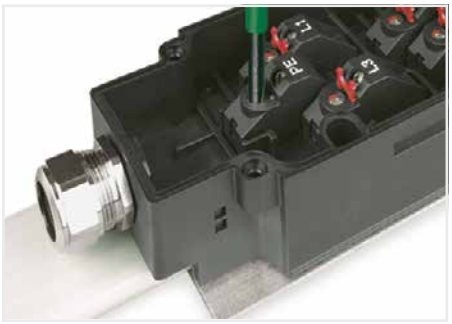
| Cable fitting; M 25 x 1.5; clamping range: 13 … 18 mm Ø; with O-ring gasket; plastic | | |
|---|---|---|
| Color | **Item No.** | PU |
| gray | **895-1603** | 5 |



| Cable fitting; M 25 x 1.5; clamping range: 20 … 26 mm Ø; with O-ring gasket; brass | | |
|---|---|---|
| | **Item No.** | PU |
| | **895-1604** | 5 |



| Filler plug; M 25 x 1.5; with O-ring gasket; plastic | | |
|---|---|---|
| Color | **Item No.** | PU |
| black | **895-1605** | 5 |



Tap-off module with brass cable fitting

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® IDC ▸ 897 Series



Mounting clamp; for screw mounting; for 2 x 1.5 mm², 5 x 2.5 mm², 5 x 4 mm² and 5 x 2.5 mm² + 2 x 1.5 mm² flat cables

| Color | Item No. | PU |
|---|---|---|
| gray | 897-878 | 100 |



Mounting clamp; for screw mounting; for 3 x 2.5 mm² flat cables

| Color | Item No. | PU (SPU) |
|---|---|---|
| dark gray | 897-839 | 200(25) |



Mounting clamp; for screw mounting; for 5 x 10 mm² flat cables

| Color | Item No. | PU |
|---|---|---|
| dark gray | 897-859 | 100 |

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® IDC ▸ 897 Series



| Flat cable end cover; for 2 x 1.5 mm² flat cables; plastic | | |
|---|---|---|
| Color | **Item No.** | PU |
| transparent | **897-120** | 10 |

| Flat cable end cover; for 3 x 2.5 mm² flat cables; plastic | | |
|---|---|---|
| Color | **Item No.** | PU |
| transparent | **897-230** | 25 |

| Flat cable end cover; for 5 x 2.5 mm² and 5 x 4 mm² flat cables; plastic | | |
|---|---|---|
| Color | **Item No.** | PU |
| transparent | **897-250** | 25 |

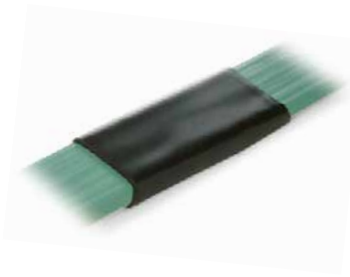
| Flat cable end cover; for 5 x 2.5 mm² and 2 x 1.5 mm² flat cables; plastic | | |
|---|---|---|
| Color | **Item No.** | PU |
| transparent | **897-260** | 25 |

| Flat cable end cover; for 5 x 10 mm² flat cables; plastic | | |
|---|---|---|
| Color | **Item No.** | PU |
| transparent | **897-1050** | 10 |

| Flat cable end cover; for 5 x 16 mm² flat cables; plastic | | |
|---|---|---|
| Color | **Item No.** | PU |
| transparent | **897-1650** | 4 |



Fit end cover to each flat cable end.



| Insulating tape; for 2 x 1.5 mm² to 5 x 10 mm² flat cables | | |
|---|---|---|
| Color | **Item No.** | PU |
| black | **897-900** | 10 |

| Insulating tape; for 5 x 16 mm² flat cables | | |
|---|---|---|
| Color | **Item No.** | PU |
| black | **897-901** | 10 |

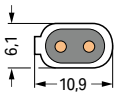


Use insulating tape to seal the contact holes in the flat cable after removing a module.



| Flat cable; $E_{ca}$; 2 x 1.5 mm²; PVC | | |
|---|---|---|
| Color | **Item No.** | PU |
| light gray | **897-121** | 1 |

| Flat cable; $D_{ca}$; 2 x 1.5 mm²; halogen-free | | |
|---|---|---|
| Color | **Item No.** | PU |
| light gray | **897-122** | 1 |




8

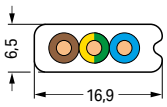
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® IDC ▸ 897 Series



| Flat cable; $E_{ca}$; 3 x 2.5 mm²; PVC | | |
|---|---|---|
| Color | **Item No.** | PU |
| light gray | **897-231** | 1 |

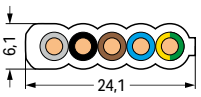
| Flat cable; $B2_{ca}$; 3 x 2.5 mm²; halogen-free | | |
|---|---|---|
| Color | **Item No.** | PU |
| light gray | **897-232** | 1 |





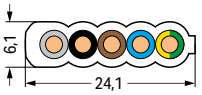

| Flat cable; $E_{ca}$; 5 x 2.5 mm²; PVC | | |
|---|---|---|
| Color | **Item No.** | PU |
| light green | **897-251** | 1 |

| Flat cable; $B2_{ca}$; 5 x 2.5 mm²; halogen-free | | |
|---|---|---|
| Color | **Item No.** | PU |
| light green | **897-252** | 1 |






| Flat cable; 5 x 4 mm²; halogen-free | | |
|---|---|---|
| Color | **Item No.** | PU |
| black | **897-453** | 1 |



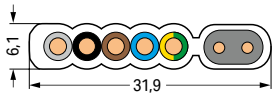

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Accessories ▸ *WINSTA*® IDC ▸ 897 Series



| Flat cable; $E_{ca}$; 5 x 2.5 mm² + 2 x 1.5 mm²; PVC | | |
|---|---|---|
| Color | **Item No.** | PU |
| violett | **897-261** | 1 |

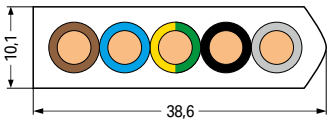
| Flat cable; $C_{ca}$; 5 x 2.5 mm² + 2 x 1.5 mm²; halogen-free | | |
|---|---|---|
| Color | **Item No.** | PU |
| violett | **897-262** | 1 |






| Flat cable; $E_{ca}$; 5 x 10 mm²; PVC | | |
|---|---|---|
| Color | **Item No.** | PU |
| light gray | **897-1051** | 1 |

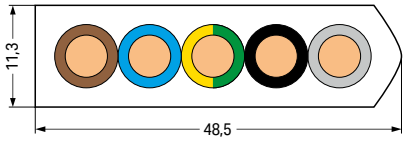
| Flat cable; $B2_{ca}$; 5 x 10 mm²; halogen-free | | |
|---|---|---|
| Color | **Item No.** | PU |
| light gray | **897-1052** | 1 |






| Flat cable; $E_{ca}$; 5 x 16 mm²; PVC | | |
|---|---|---|
| Color | **Item No.** | PU |
| light gray | **897-1651** | 1 |

| Flat cable; $B2_{ca}$; 5 x 16 mm²; halogen-free | | |
|---|---|---|
| Color | **Item No.** | PU |
| light gray | **897-1652** | 1 |




PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

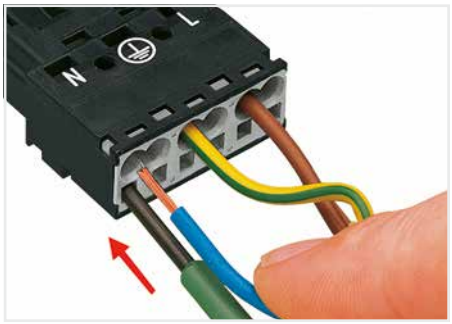
# Operating Tools ▸ *WINSTA®*



| Operating tool with a partially insulated shaft; type 1; (2.5 x 0.4) mm blade | | |
|---|---|---|
| Color | **Item No.** | PU |
| multicoloured | **210-719** | 50 |

| Operating tool with a partially insulated shaft; type 2; (3.5 x 0.5) mm blade | | |
|---|---|---|
| Color | **Item No.** | PU |
| multicoloured | **210-720** | 50 |

| Operating tool with a partially insulated shaft; type 3; (5.5 x 0.8) mm blade | | |
|---|---|---|
| Color | **Item No.** | PU |
| multicoloured | **210-721** | 25 |




The blade dimensions of the above-listed operating tools are ideal for operating both *WINSTA®* Plugs and Sockets.




| Operating tool set; with a partially insulated shaft; includes 210-719, 210-720 and 210-721 | | |
|---|---|---|
| Color | **Item No.** | PU |
| multicoloured | **210-722** | 1 |



Set of operating tools in a box

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Operating Tools ▸ *WINSTA*®



| Operating tool with a partially insulated shaft; (6.5 x 1.4) mm blade | | |
|---|---|---|
| Color | **Item No.** | PU |
| multicoloured | **210-636** | 50 |

| Operating tool; short version; (6.5 x 1.4) mm | | |
|---|---|---|
| Color | **Item No.** | PU |
| multicoloured | **210-635** | 30 |



| Operating tool; partially insulated; for *WINSTA*® MINI connectors; 2-pole | | |
|---|---|---|
| Color | **Item No.** | PU |
| green | **890-382** | 50 |

| Operating tool; partially insulated; for *WINSTA*® MINI connectors; 3-pole | | |
|---|---|---|
| Color | **Item No.** | PU |
| green | **890-383** | 50 |

| Operating tool; partially insulated; for *WINSTA*® MINI connectors; 4-pole | | |
|---|---|---|
| Color | **Item No.** | PU |
| green | **890-384** | 50 |

| Operating tool; partially insulated; for *WINSTA*® MINI connectors; 5-pole | | |
|---|---|---|
| Color | **Item No.** | PU |
| green | **890-385** | 50 |

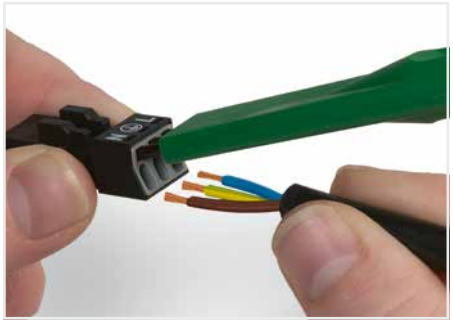


| Operating tool; partially insulated; for *WINSTA*® MIDI connectors; 2-pole | | |
|---|---|---|
| Color | **Item No.** | PU |
| green | **770-382** | 50 |

| Operating tool; partially insulated; for *WINSTA*® MIDI connectors; 3-pole | | |
|---|---|---|
| Color | **Item No.** | PU |
| green | **770-383** | 50 |



Operating tools are ideally suited to operate IDC modules (772 Series).



To terminate fine-stranded conductors, open clamping units via operating tool (890-383) and insert stripped conductors until they hit backstop.

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Stripping Tools ▸ *WINSTA®*



Cable knife; for Ø 8 … 28 mm / 0.31 … 1.10 inch; with a unique, changeable cable bracket system; including cable bracket

| Item No. | Pack. Unit |
|---|---|
| 206-1403 | 1 |

**Item-Specific Accessories**

Cable bracket; for Ø 4 … 16 mm / 0.16 … 0.63 inch

206-1411 1



Cable bracket; for Ø 8 … 28 mm / 0.31 … 1.10 inch

206-1412 1



Cable bracket; for Ø 27 … 35 mm / 1.06 … 1.38 inch

206-1413 1



Cable bracket; for Ø 35 … 50 mm / 1.38 … 1.97 inch

206-1414 1



Cable bracket; for Ø 50 … 70 mm / 1.97 … 2.75 inch

206-1415 1



**Accessories**

Spare inside blade

206-1418 3





Wire stripper "Quickstrip Vario"; 0.03 … 16 mm² / 34 … 6 AWG; with wire cutter

| Item No. | Pack. Unit |
|---|---|
| 206-1125 | 1 |

**Accessories**

Blade set; Standard; 0.03 … 16 mm² / 34 … 6 AWG

206-1126 1



Blade set; V-blade; 0.14 … 4 mm² / 24 … 12 AWG

206-1127 1



Blade set; Oval blade; 10 … 16 mm² / 8 … 6 AWG

206-1128 1



Spare stripping stop

206-1129 1



Spare cut protector

206-1131 1



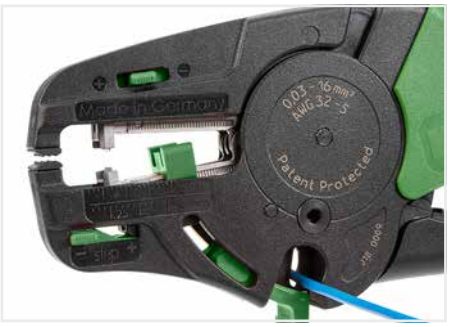
Spare clamping jaws

206-1132 1






Partially stripping a conductor.




Cutting a conductor.

Wire Stripper:

- Automatically adjust to conductor size
- Stripping blades cause no damage to conductor strands
- Gripping pressure of jaws adjusts automatically to conductor insulation diameter
- Clamping jaws and stripping blades automatically open once the stripping process is completed – no splaying of the conductor strands
- Exact strip length may be set by sliding black setting stop
- Stripping blades can be replaced
- Self-sharpening, fully protected cutter (replaceable)
- Entire body made of glass-fiber-reinforced polyamide
- Cutting capacity of the wire cutter of fine-stranded conductors up to 16 mm² (6 AWG)



PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Stripping Pliers, Cable Cutters, Stripping Knives ▸ *WINSTA®*



| Stripping pliers; with insulated handles; for 3 x 2.5 mm² flat cables | | |
|---|---|---|
| Color | **Item No.** | PU |
| red | **897-931** | 1 |



| Cable cutter; with partially insulated handles; for 5 x 6 mm² flat cables | | |
|---|---|---|
| Color | **Item No.** | PU |
| red | **897-960** | 1 |



| Stripping knife; for 5 x 10 mm² flat cable | | |
|---|---|---|
| Color | **Item No.** | PU |
| light gray | **897-951** | 1 |



| Stripping pliers; with insulated handles; for 2 x 1.5 mm², 5 x 2.5 mm², 5 x 4 mm² and 5 x 2.5 mm² + 2 x 1.5 mm² flat cables | | |
|---|---|---|
| Color | **Item No.** | PU |
| red | **897-971** | 1 |



| Cable cutter; with partially insulated handles; for 2 x 1.5 mm², 5 x 2.5 mm², 5 x 4 mm² and 5 x 2.5 mm² + 2 x 1.5 mm² flat cables | | |
|---|---|---|
| Color | **Item No.** | PU |
| red | **897-972** | 1 |



Cut off the flat cable insulation via cable cutter.



| Stripping knife; for 5 x 16 mm² flat cable | | |
|---|---|---|
| Color | **Item No.** | PU |
| light gray | **897-952** | 1 |



Cut both flat cable insulation sides via stripping knife.

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Cable Cutter and Wiring Aid ▶ *WINSTA®*



Cable cutter; per VDE; for copper and aluminum cables; 0.25 … 35 mm²

| Color | Item No. | PU (SPU) |
|---|---|---|
| green | 206-118 | 10(1) |



Cutting a cable.



Wiring aid; for 5-pole connectors; distribution connectors with phase selection and IDC supply modules; suitable for solid and stranded conductors

| Color | Item No. | PU (SPU) |
|---|---|---|
| orange | 770-100 | 20(1) |



Strip outer insulation, insert cable into the wiring aid and arrange the single conductors according to the marking, starting with N.
Cut conductor ends to the proper length.




Strip conductor ends to a length of 9 mm (see marking).
Slide connector to the stop over conductor ends.

8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

# Markers and Marking Strips ▸ *WINSTA*®



| Marker; for manual marking | | |
|---|---|---|
| Color | **Item No.** | PU |
| white | **770-450** | 50 |
| green | **770-450/000-001** | 50 |
| yellow | **770-450/000-002** | 50 |
| red | **770-450/000-005** | 50 |
| blue | **770-450/000-006** | 50 |
| orange | **770-450/000-012** | 50 |



| Self-adhesive marking strips; on DIN A4 cards; 182 mm long; 6 mm (40 x) high; for 770 Series | | |
|---|---|---|
| Color | **Item No.** | PU (SPU) |
| white | **210-333** | 100(1) |



| Self-adhesive marking strips; on DIN A4 cards; 182 mm long; 5 mm (48 x) high; for 771 Series | | |
|---|---|---|
| Color | **Item No.** | PU (SPU) |
| white | **210-334** | 100(1) |



Distribution connector with marked cables



Marking area:
Strain relief; 3-pole; 28 x 6.5 mm
Strain relief; 4-pole; 38 x 6.5 mm
Strain relief; 5-pole; 48 x 6.5 mm
Strain relief; 6-pole; 62 x 6.5 mm



Marking area:
Strain relief; 3-pole; 22 x 5.2 mm
Strain relief; 4-pole; 32 x 5.2 mm
Strain relief; 5-pole; 42 x 5.2 mm

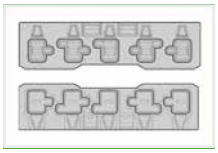
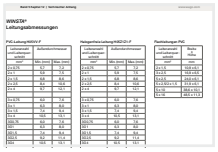
smartSCRIPT marking software;
visit www.wago.com/smartprinter

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

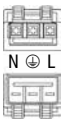
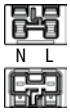
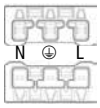
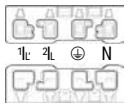
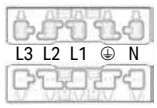
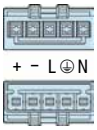
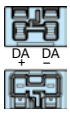
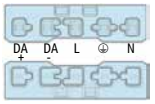
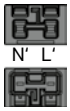
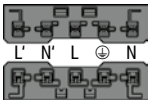
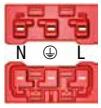


# Technical Section

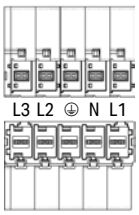
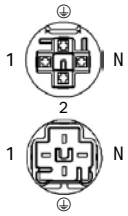
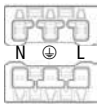
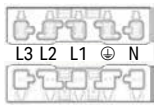
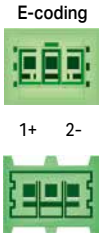
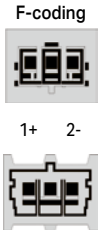
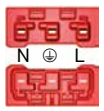
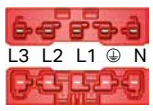
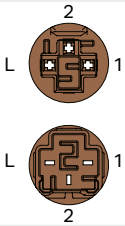
# Technical Section


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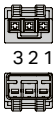
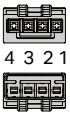
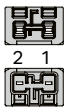
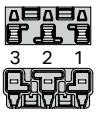
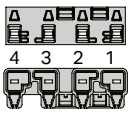
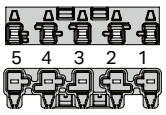
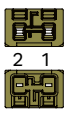
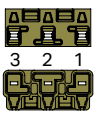
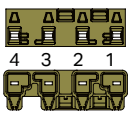
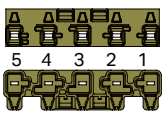
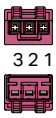
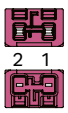
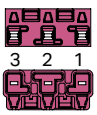
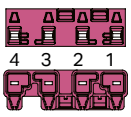
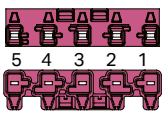
# *WINSTA*®
## Coding Configurations
770, 771, 772, 831, 890, 891, 893, 894 and 899 Series

| Description | *WINSTA*® MINI | | | | *WINSTA*® MIDI | | | |
|---|---|---|---|---|---|---|---|---|
| | 2-pole | 3-pole | 4-pole | 5-pole | 2-pole | 3-pole | 4-pole | 5-pole |
| Series | 890/891 | 890/891 | 890/891 | 890/891 | 770/771 | 770/771 | 770/771 | 770/771 |
| A-coding<br>black<br>white<br><br>e.g., general applications |  |  |  |  |  |  |  |  |
| E-coding<br>green<br>KNX applications<br><br>F-coding<br>light gray<br>specialty coding | | | | | | | | |
| I-coding<br>blue<br><br>for dimming function<br>(e.g., DALI) |  | | |  |  | | |  |
| L-coding<br>dark gray<br><br>e.g., emergency power supply | | | | |  | | |  |
| P-coding<br>red<br><br>e.g., computer applications (UPS) | | | | | |  | |  |
| Q-coding<br>green<br><br>Clean ground applications | | | | | | |  |  |
| R-coding<br>orange<br><br><br>e.g., LON® Bus | | | | | |  | | |
| S-coding<br>brown<br><br><br><br>e.g., switching applications | | | | | |  | | |

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| Description | *WINSTA*® MAXI | *WINSTA*® RD | | *WINSTA*® KNX | | *WINSTA*® IDC | |
|---|---|---|---|---|---|---|---|
| | 5-pole | 3-pole | 4-pole | 2-pole | 2-pole | 3-pole | 5-pole |
| Series | 831 | 774 | 774 | 893/894 | 893/894 | 772 | 772 |
| A-coding<br>black<br>white<br><br>e.g., general applications |  |  |  | | |  |  |
| E-coding<br>green<br>KNX applications<br><br>F-coding<br>light gray<br>specialty coding | | | |  |  | | |
| I-coding<br>blue<br><br>for dimming function<br>(e.g., DALI) | | | | | | | |
| L-coding<br>dark gray<br><br>e.g., emergency power supply | | | | | | | |
| P-coding<br>red<br><br>e.g., computer applications (UPS) | | | | | |  |  |
| Q-coding<br>green<br><br>Clean ground applications | | | | | | | |
| R-coding<br>orange<br><br>e.g., LON® Bus | | | | | | | |
| S-coding<br>brown<br><br>e.g., switching applications | |  | | | | | |

# *WINSTA*® MINI and MIDI B-Coding

| Description | *WINSTA*® MINI | | | | *WINSTA*® MIDI / *WINSTA*® IDC | | | |
|---|---|---|---|---|---|---|---|---|
| | 2-pole | 3-pole | 4-pole | 5-pole | 2-pole | 3-pole | 4-pole | 5-pole |
| Series | 890/891 | 890/891 | 890/891 | 890/891 | 770/771 | 770/771/772 | 770/771 | 770/771/772 |
| B-coding gray<br><br>Control and general applications (110 … 400 V mains applications) |  |  |  |  |  |  |  |  |
| B-coding light green<br><br>Control and general applications (0 … 48 V low voltages) |  |  |  |  |  |  |  |  |
| B-coding pink<br><br>Control and general applications (bus applications) |  |  |  |  |  |  |  |  |

**Important note:**

B-Coded components within the *WINSTA*® MINI and *WINSTA*® MIDI families are designed for specialty applications (e.g., measurement, control and regulation technology) and certified per DIN EN 61984. In addition to the gray models rated from 110 to 400 V, there is now also a variant in light green for low voltages up to 48 V, as well as a pink one for bus applications.
Each of the three versions is available in 2-, 3- or 4- and 5-pole configurations. Pole marking can be printed at the factory to suit customer requirements. B-coded products are protected against mismating with all other coding types found in the *WINSTA*® system. Within B-coding, all variants can mate with each other. The variable coding system provides clear circuit identification. All variants can be clearly differentiated according to color and pole marking. They can be coded on-site or delivered with factory-installed custom coding.

# *WINSTA*® MINI and MIDI ▶ Coding: B
# Pole Markings

| Suffix Number | | Marking | | | | Application |
|---|---|---|---|---|---|---|
| | | 2-pole | 3-pole | 4-pole | 5-pole | |
| without | | 1 2 | 1 2 3 | 1 2 3 4 | 1 2 3 4 5 | General |
| /060-000 | MINI | L N | L ⏚ N | N ⏚ $^{2}$IL $^{1}$IL' | N ⏚ 1 2 3 | Standard 230 V/400 V network application |
| | MIDI | | | | N ⏚ L1 L2 L3 | |
| /062-000 | | | 2 PE 1 | 3 PE 2 1 | N PE 3 2 1 | Fan Step switching |
| /064-000 | | | | 2L ⏚ 1L L | N ⏚ L 2L 1L | 230 V + switched |
| | | | | | | |
| without | | 1 2 | 1 2 3 | 1 2 3 4 | 1 2 3 4 5 | General |
| /071-000 | | | U+ X/Y U- | U- S U+ X/Y | | AI / AO 0 … 10 V |
| /072-000 | | | | U- U+ DI AI | | Presence detector incl. light sensor |
| /073-000 | | | 1 ⏚ 2 | 1 ⏚ 2 3 | 1 ⏚ 2 3 4 | Control Signal incl. Ground |
| | | | | | | |
| without | | 1 2 | 1 2 3 | 1 2 3 4 | 1 2 3 4 5 | General |
| /080-000 | | I+ I- | | | N ⏚ L I- I+ | SMI bus |
| /081-000 | | | 1 2 5 | 1 2 5 3 | | MP-Bus |
| /082-000 | | + - | + S - | | N ⏚ L - + | Standard fieldbus applications |

Distribution connectors and cable assemblies with above-mentioned pole markings are available upon request.

Item number example:
*WINSTA*® MIDI, plug, 4-pole, light green, with U- U+ DI AI pole marking 770-274/072-000

## Operating WAGO Connection Technologies

Please follow the applicable product-specific termination instructions.

### PUSH-IN CAGE CLAMP®







Push-in CAGE CLAMP® terminates the following copper conductors:
solid



stranded



fine-stranded, also with tinned single strands



fine-stranded, tip-bonded



fine-stranded, with ferrule (gastight crimped)



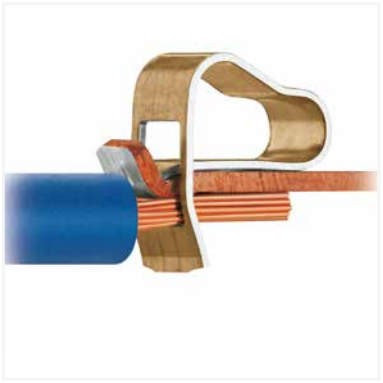
fine-stranded, with pin terminal (gastight crimped)

**The universal connection with an additional advantage: Push-in connection**
**Terminate solid and stranded (Class B 7 strands or less), as well as ferruled conductors, by simply pushing them in – no tools required.**

Termination for all conductor types:
- Open clamping unit.
- Insert the conductor.
- Release clamp – done!

### CAGE CLAMP®







CAGE CLAMP® terminates the following copper conductors:
solid



stranded



fine-stranded, also with tinned single strands



fine-stranded, tip-bonded



fine-stranded, with ferrule (gastight crimped)



fine-stranded, with pin terminal (gastight crimped)

**The universal connection for solid, stranded and fine-stranded conductors**

Termination:
- Open clamping unit.
- Insert the conductor.
- Release clamp – done!

# Operating WAGO Connection Technologies

Please follow the applicable product-specific termination instructions.

## POWER CAGE CLAMP®







POWER CAGE CLAMP terminates the following copper conductors:
solid



stranded



fine-stranded, also with tinned single strands



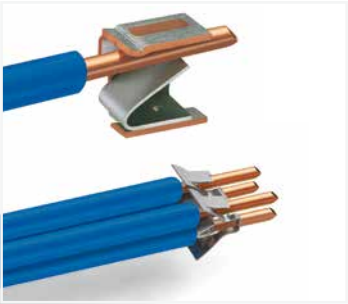
fine-stranded, with ferrule (gastight crimped)

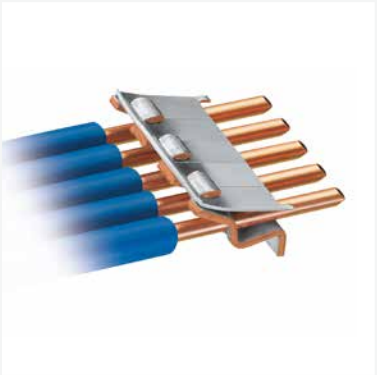
**The universal connection for conductors larger than 35 mm² (2 AWG)**

Termination:

- Open clamp by turning a T-wrench counter-clockwise.
- Press the integrated latch to open clamping unit for hands-free wiring.
- Insert the conductor.
- A small counter-clockwise rotation closes the clamp, securing conductor.

## PUSH WIRE®







PUSH WIRE® terminates the following copper conductors:
solid

**PUSH WIRE® connection for solid and stranded conductors (depending on the model used)**

Termination:
Tool-free, twist-free terminations for solid and rigid stranded conductors – simply push into the unit.

# *WINSTA®*
# Cable Dimensions

### H05VV-F PVC Cables

| Number and Size of Conductors | Outer Diameter | |
|---|---|---|
| $mm^2$ | Min. (mm) | Max. (mm) |
| 2 x 0.75 | 5.7 | 7.2 |
| 2 x 1 | 5.9 | 7.5 |
| 2 x 1.5 | 6.8 | 8.6 |
| 2 x 2.5 | 8.4 | 10.6 |
| 2 x 4 | 9.7 | 12.1 |
| | | |
| 3 x 0.75 | 6.0 | 7.6 |
| 3 x 1 | 6.3 | 8.0 |
| 3 x 1.5 | 7.4 | 9.4 |
| 3 x 4 | 10.5 | 13.1 |
| 3G0.75 | 6.0 | 7.6 |
| 3G1 | 6.3 | 8.0 |
| 3G1.5 | 7.4 | 9.4 |
| 3G2.5 | 9.2 | 11.4 |
| 3G4 | 10.5 | 13.1 |
| | | |
| 4 x 1 | 7.1 | 9.0 |
| 4 x 1.5 | 8.4 | 10.5 |
| 4G0.75 | 6.6 | 8.3 |
| 4G1 | 7.1 | 9.0 |
| 4G1.5 | 8.4 | 10.5 |
| 4G2.5 | 10.1 | 12.5 |
| 4G4 | 11.5 | 14.3 |
| | | |
| 5G0.75 | 7.4 | 9.3 |
| 5G1 | 7.8 | 9.3 |
| 5G1.5 | 9.3 | 11.6 |
| 5G2.5 | 11.2 | 13.9 |
| | | |

### H05Z1Z1-F Halogen-Free Cables

| Number and Size of Conductors | Outer Diameter | |
|---|---|---|
| $mm^2$ | Min. (mm) | Max. (mm) |
| 2 x 0.75 | 5.7 | 7.2 |
| 2 x 1 | 5.9 | 7.5 |
| 2 x 1.5 | 6.8 | 8.6 |
| 2 x 2.5 | 8.4 | 10.6 |
| 2 x 4 | 9.7 | 12.1 |
| | | |
| 3 x 0.75 | 6.0 | 7.6 |
| 3 x 1 | 6.3 | 8.0 |
| 3 x 1.5 | 7.4 | 9.4 |
| 3 x 4 | 10.5 | 13.1 |
| 3G0.75 | 6.0 | 7.6 |
| 3G1 | 6.3 | 8.0 |
| 3G1.5 | 7.4 | 9.4 |
| 3G2.5 | 9.2 | 11.4 |
| 3G4 | 10.5 | 13.1 |
| | | |
| 4 x 1 | 7.1 | 9.0 |
| 4 x 1.5 | 8.4 | 10.5 |
| | | |
| 4G1 | 7.1 | 9.0 |
| 4G1.5 | 8.4 | 10.5 |
| 4G2.5 | 10.1 | 12.5 |
| | | |
| | | |
| | | |
| 5G1 | 7.8 | 9.3 |
| 5G1.5 | 9.3 | 11.6 |
| 5G2.5 | 11.2 | 13.9 |
| 5G4 | 13.0 | 16.1 |

### PVC Flat Cables

| Number and Size of Conductors | Width x Height |
|---|---|
| $mm^2$ | mm |
| 2 x 1.5 | 10.9 x 6.1 |
| 3 x 2.5 | 16.9 x 6.5 |
| 5 x 2.5 | 24.0 x 6.1 |
| 5 x 2.5/2 x 1.5 | 31.9 x 6.1 |
| 5 x 10 | 38.6 x 10.1 |
| 5 x 16 | 48.5 x 11.3 |

### Halogen-Free Flat Cables

| Number and Size of Conductors | Width x Height |
|---|---|
| $mm^2$ | mm |
| 2 x 1.5 | 10.9 x 6.1 |
| 3 x 2.5 | 16.4 x 6.3 |
| 5 x 2.5 | 24.1 x 6.1 |
| 5 x 4 | 24.1 x 6.1 |
| 5 x 2.5/2 x 1.5 | 31.9 x 6.1 |
| 5 x 10 | 38.6 x 10.1 |
| 5 x 16 | 48.5 x 11.3 |

# International Certification Organizations – Overview

| | | Abbreviation |
|---|---|---|
| | Underwriters Laboratories<br>USA<br>http://www.ul.com | UL |
| | Underwriters Laboratories<br>USA<br>http://www.ul.com | UL |
| | Underwriters Laboratories<br>USA<br>http://www.ul.com | cURus |
| | Underwriters Laboratories<br>USA<br>http://www.ul.com | cULus |
| | Canadian Standards Association<br>Canada<br>http://www.csa.ca | CSA |
| VDE REG XXXX | VDE-Gutachten mit Fertigungsüberwachung<br>Germany<br>http://www.vde.de/vde/html/e/home.htm | VDE |
| | VDE – Deutscher Verband für Elektrotechnik<br>Germany<br>http://www.vde.de | |
| VDE | VDE – Prüfbericht<br>Germany | |
| | Österreichischer Verband für Elektrotechnik<br>Austria<br>http://www.ove.at | ÖVE |
| | Schweizerischer Elektrotechnischer Verein<br>Switzerland<br>http://www.sev.ch/ | SEV |
| KEMA KEUR | N.V. tot Keuring van Elektrotechnische Materialien<br>Netherlands<br>http://www.kema.nl | KEMA |
| CCA | CENELEC CERTIFICATION AGREEMENT<br>N.V. tot Keuring van Elektrotechnische Materialien<br>Netherlands<br>http://www.cenelec.org | CCA<br>Zul.-Nr.<br>mit NL |
| | Norges Elektriske Materialkontroll<br>Norway<br>http://express.nemko.com | NEMKO |
| | Svenska Elektriska Materielkontrollanstalten AB<br>Sweden<br>http://www.semko.com | SEMKO |

| | | Abbreviation |
|---|---|---|
| | Danmarks Elektriske Materielkontrol<br>Denmark<br>http://www.demko.dk | DEMKO |
| CCA | CENELEC CERTIFICATION AGREEMENT<br>Danmarks Elektriske Materielkontrol<br>Denmark<br>http://www.cenelec.org | CCA<br>Zul.-Nr.<br>mit NL |
| | SETI – FEMKO<br>Sähkötarkastuskeskus Elinspektionscentralen<br>Finland<br>http://www.seti.fi | |
| | Sähkötarkastuskeskus Elinspektionscentralen<br>Finland<br>http://www.fimko.com | FIMKO |
| SABS | South African Bureau of Standards<br>South Africa<br>http://www.sabs.co.za | SABS |
| | RosTesT<br>Russia<br>http://www.rostest.ru | ROTEST |
| | Departamentul Moldovastandard<br>Moldova<br>http://www.moldova.md/ro/government/oll/D_STAND/en/strcent2.htm | CSM |
| | Certificate of Registration<br>Great Britain<br>http://www.astacertification.com | ASTA |
| | Rheinisch-Westfälischer Technischer Überwachungsverein e.V.<br>Germany<br>http://www.rwtuv.de | RWTÜV |
| | Elektrotechnick´y v´yskumn´y a projektov´y ústav<br>Czech Republic<br>http://www.ezu.cz | EZU |
| | Stowarzyszenie Elektrykow Polskich<br>Poland<br>http://www.sep.com.pl | BBJ |
| | Stowarzyszenie Elektrykow Polskich<br>Poland<br>http://www.bbj.pl | SEP |

For complete, up-to-date approval information, visit www.wago.com.

| | | Abbreviation |
|---|---|---|
| CNET | Centre National d'Etudes des Télécommunications<br>France<br>http://www.lannion.cnet.fr | CNET |
| LCIE | Laboratoire Central des Industries Electriques<br>France<br>http://www.lcie.fr | LCIE |
| FTZU SZ 210 | Fyzikálne Technick´yZkusební Ústav, Ostrava-Radvanice<br>Czech Republic<br>http://www.ftzu.cz | FTZU |
| | | |
| **Marine Approvals** | | |
| BV | Bureau Veritas<br>France<br>http://www.bureauveritas.fr | BV |
| Lloyd's Register | Lloyd's Register of Shipping<br>Great Britain<br>http://www.lloydsregister.com | LR |
| DNV • GL | NV – Det Norske Veritas<br>Norway<br>http://www.dnvgl.com | DNV-GL |
| | Russian Maritime Register of Shipping<br>GUS<br>http://www.rs-head.spb.ru | RMR |
| | Polski Rejestr Statków<br>Poland<br>http://www.prs.pl | PRS |
| | Korean Register of Shipping<br>Korea<br>http://www.krs.co.kr | KR |
| ABS | American Bureau of Shipping<br>USA<br>http://www.eagle.org | ABS |

| | | Abbreviation |
|---|---|---|
| BKI Ex | Robbanásbiztos Villamos Berendezések<br>Hungary<br>http://www.bki.hu | BKI |
| CB | CB – TEST CERTIFICATE<br>India<br>http://www.ul-europe.com | CB |
| CB | CB – TEST CERTIFICATE<br>China<br>http://www.ul-europe.com | CB |
| ENEC | http://www.enec.com | ENEC |
| | | |
| **EX Approvals** | | |
| PTB | Physikalisch Technische Bundesanstalt<br>Germany<br>http://www.ptb.de | PTB |
| c UL us | Underwriters Laboratories<br>USA<br>http://www.ul.com | AEx |

# Electrical Engineering Laboratory
## Product Safety for Our Customers

To use terminal blocks globally, they must satisfy certain standards and obtain test certificates. These requirements apply to every manufacturer. WAGO also conducts its own tests to increase standards and offer greater reliability with its products. Products undergo a full range of mechanical, electrical and climatic testing, and we'll share a few of those processes with you.

### WAGO Test Lab

This means that WAGO's products can be used safely and reliably both in Europe and anywhere globally for a wide variety of applications. We heavily emphasize the importance of global acceptance during development. As a result, we can present documentation that verifies our high levels of product safety and reliability while ensuring the fulfillment and accuracy of technical data, which are the highest priorities for our customers and users worldwide.
On December 22, 2009, our test lab was accredited by the German Accreditation Association (Deutsche Gesellschaft für Akkreditierung GmbH) in accordance with DIN EN ISO/IEC 17025.

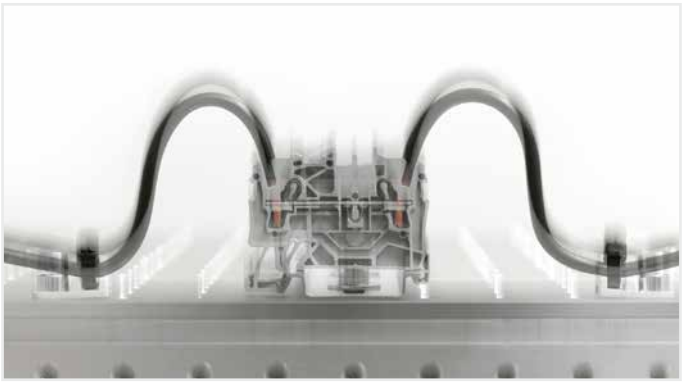
### Pull-Out Test (per EN 60947-7-1, EN 60998-2-2)

During the pull-out force test, a conductor is pulled on until it is removed from the clamping unit. The design of the terminals means that extraction only occurs after the standard pull-out force has been exceeded many times over.



### Vibration Test (per IEC/EN 60068-2-6)

Depending on the application, such as railway (per EN 61373) or marine (per GL, LR, DNV), there are various testing requirements to determine if the long-term effects of vibrations degrade electrical connections. The test specimen is subjected to different loads on three axes in an electrodynamic vibration system. The amplitude, the acceleration, and particularly the frequency of the vibration vary during the test. The test values are increased many times over the standard values to meet special customer requirements.



### Shock Test (per IEC/EN 60068-2-27)

The shock test is very similar to the vibration test except that, instead of continuous vibrations, single shocks are applied to the test specimen. Shock tests are usually performed, for example, at an acceleration of 20g over a period of 11 ms. Tests for special requirements often call for much higher values and are also conducted in our laboratory. Single-deck TOPJOB® S Rail-Mount Terminal Blocks, for example, pass shock tests up to 500g.



### Voltage Drop Test under Bending Stress (per EN 60947-7-1, EN 60999-1)

The voltage drop test under bending stress simulates mechanical stress on the clamping unit. In everyday use, this stress can occur during installation, for example, when an electrician shoves connected conductors to the side in order to access a specific component. The quality of the clamping unit when moving a connected conductor can be validated by the constantly stable measured value of the voltage drop.



DAkkS
Deutsche
Akkreditierungsstelle

# Deutsche Akkreditierungsstelle GmbH

**Beliehene gemäß § 8 Absatz 1 AkkStelleG i.V.m. § 1 Absatz 1 AkkStelleGBV**
Unterzeichnerin der Multilateralen Abkommen
von EA, ILAC und IAF zur gegenseitigen Anerkennung

# Akkreditierung

Die Deutsche Akkreditierungsstelle GmbH bestätigt hiermit, dass

**das Prüflaboratiorium WAGO Kontakttechnik GmbH & Co. KG**
**Hansastraße 27, 32423 Minden**

die Kompetenz nach DIN EN ISO/IEC 17025:2018 besitzt, Prüfungen in folgenden Bereichen durchzuführen:

**Elektrische und mechanische Prüfungen an Klemmen und Steckverbinder sowie Umweltsimulation**

Die Akkreditierungsurkunde gilt nur in Verbindung mit dem Bescheid vom 24.05.2019 mit der Akkreditierungsnummer D-PL-19704-01. Sie besteht aus diesem Deckblatt, der Rückseite des Deckblatts und der folgenden Anlage mit insgesamt 08 Seiten.

**Registrierungsnummer der Urkunde: D-PL-19704-01-00**

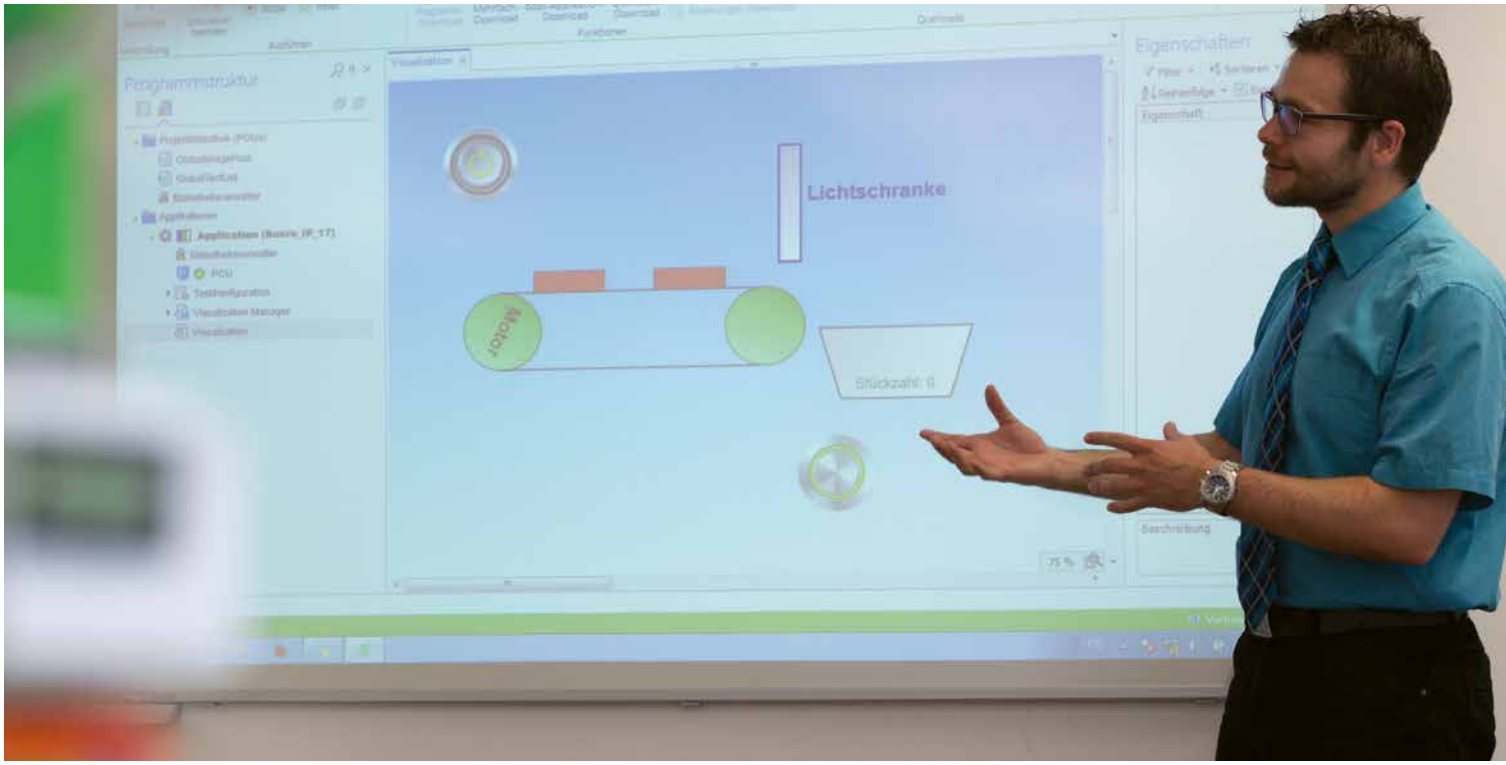
Frankfurt am Main, 24.05.2019

Im Auftrag Dipl.-Ing. (FH) Ralf Egner
Abteilungsleiter

*Die Urkunde samt Urkundenanlage gibt den Stand zum Zeitpunkt des Ausstellungsdatums wieder. Der jeweils aktuelle Stand des Geltungsbereiches der Akkreditierung ist der Datenbank akkreditierter Stellen der Deutschen Akkreditierungsstelle GmbH (DAkkS) zu entnehmen. https://www.dakks.de/content/datenbank-akkreditierter-stellen*

Siehe Hinweise auf der Rückseite

# WAGO Seminars
# Learn Today – Benefit Tomorrow




## Setting the Bar with Your Goals

Product-Related and Customer-Specific Seminars



**Small Groups**

The small class sizes of WAGO training seminars ensures that no question goes unanswered and no one is overlooked.



**Teamwork**

Learning as a group is very effective. Ideas can be discussed and exchanged while experiences can be shared – all for the benefit of the participants.



**Practical Topics**

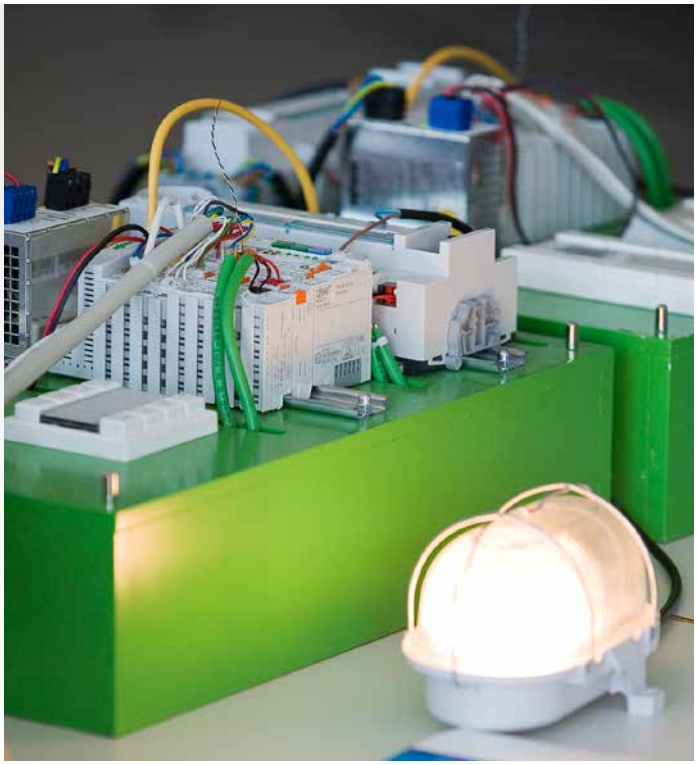
Experience has shown that practice makes perfect. This is why the focus of every WAGO training seminar is on practical, hands-on learning.

# WAGO Seminars
## Experience the Benefits of First-Hand Knowledge and Expertise – Straight from the Source!

Our instructors are specialists who know all the ins and outs of WAGO's products. This ensures that the time devoted to each WAGO training seminar is an effective investment in expanding your own expertise.

Request your registration form by e-mail:
**training@wago.com**

**Contact your local WAGO office.**



### Product-Related Seminars

We regularly offer product-related seminars on the following topics:

- Building and industrial automation
- Programming of automation components
- Fieldbus systems

**Current seminars: www.wago.com**

### Customer-Specific Seminars

In addition to these "open" seminars, we also offer seminars specially tailored to your organization and its particular needs. that are specifically tailored to your organization.

Upon request, we can also conduct these seminars at your location.

**Special corporate seminars**

# Success for Generations: Environmental Protection at WAGO



**At WAGO, we see environmental protection not only as compliance with environmental protection requirements.**

As a growing company, our commitment to the environment drives our efforts to deliver new ideas, new concepts and new technologies along the product lifecycle. Here our employees and business partners support us.

## Corporate environmental protection

Business growth also leads to higher consumption of resources. We have realized that the economic success of a company also depends on the achievement of environmental goals.
As a manufacturing company, we therefore support developments that make a contribution to environmental protection. In doing so, we always pursue individual material flows along the value chain, because we see resources, product design, production and consumption as a whole.
With our environmental management system certified in accordance with DIN EN ISO 14001, we ensure that the required national and international requirements are complied with in all areas of the company and that the concept of environmental protection is practiced in all corporate processes. In addition, WAGO is pursuing further efforts in the field of environmental protection that go far beyond the requirements of ISO
Some examples include the recycling of plastics, resource savings on product and packaging materials, the use of recycled paper throughout the company, the introduction of e-filling stations and the use of waste heat from production processes.

## Product-related environmental protection

Product-related environmental protection is an important part of sustainable environmental management at WAGO. Ensuring compliance with substance bans / restrictions worldwide, such as: As REACH, RoHS has a high priority.

## RoHS – Restriction of the use of certain Hazardous Substances

It is an EC directive that regulates the use of certain hazardous substances in electrical and electronic equipment. In addition to reducing the harmful effects on humans and the environment, legislation aims to improve recycling possibilities. WAGO closely monitors the development regarding RoHS and reacts promptly to specifications accordingly. For more information about RoHS please contact us via ehs-product-compliance@wago.com.

RoHS ✓ Compliant

# Success for Generations: Environmental Protection at WAGO

### REACH – Registration, Evaluation and Authorisation of Chemicals

On 01.06.2007 the regulation (EC) no. 1907/2006 (REACH regulation) came into force and since then forms a valid legal basis for all EU member states. To protect human health and the environment, this EU Chemicals Regulation aims to classify and identify all chemicals, including their effects.

The REACH Regulation creates specific obligations for each actor in the supply chain. The products manufactured by WAGO are to be designated as products in the sense of the regulation. Since products are not subject to registration, WAGO usually assumes the role of the downstream user in the supply chain. WAGO therefore has an obligation to provide information along the supply chain in accordance with REACH Article 33. WAGO is naturally aware of this obligation.

For more information about our reporting requirements according to REACH Article 33 please visit our website "REACH SVHC Declaration" via www.wago.com/svhc

### BOMcheck

European legislation such as REACH or RoHS requires the provision of information on restricted ingredients in products. This information must be shared by manufacturers and suppliers in the supply chain. WAGO meets this challenge in product-related environmental protection successfully and efficiently with BOMcheck.

BOMcheck is a centralized database for the declaration of ingredients. It is a compliance tool specifically designed to enable manufacturers and suppliers to produce their substance declarations under REACH, RoHS, and other restrictions on ingredients in an efficient and structured manner. This Internet database system increases data quality in the area of product-related environmental protection.

Further information on BOMcheck can be found at the following link: http://www.bomcheck.net

### WEEE – Waste of Electrical and Electronic Equipment

The WEEE Directive 2012/19/EU regulates the take-back and recycling of electrical and electronic equipment. Manufacturers and importers of electrical and electronic equipment are obliged to register as a `WEEE producer´ and to comply with the reporting and take-back obligations. As a matter of course, we have taken compliance with legal WEEE requirements very seriously all the time - in our own interest as well as in the well-understood interest of our customers.
Only some of our products fall within the scope of the WEEE Directive and the Member State's implementation laws. These products are WEEE-compliant marked by us, as far as such a marking is legally required (which is not required for the B2B area Europe-wide).
For more information about WEEE please contact us via ehs-product-compliance@wago.com.

### Less is more: our packaging

Recycling is the basis for choosing our packaging materials. All packaging used by WAGO can be recycled in the economic cycle without further pretreatment. In addition to the aspect of recycling, emphasis is placed on resource conservation. For this reason, our cardboard boxes consist of 80% recycled paper and are marked with the Resy symbol. The Resy symbol guarantees compliance with the Packaging Ordinance for transport packaging. The labeling is partly done by perforation. This process enables the colorless printing of WAGO cardboard boxes. This avoids unnecessary environmental pollution.



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