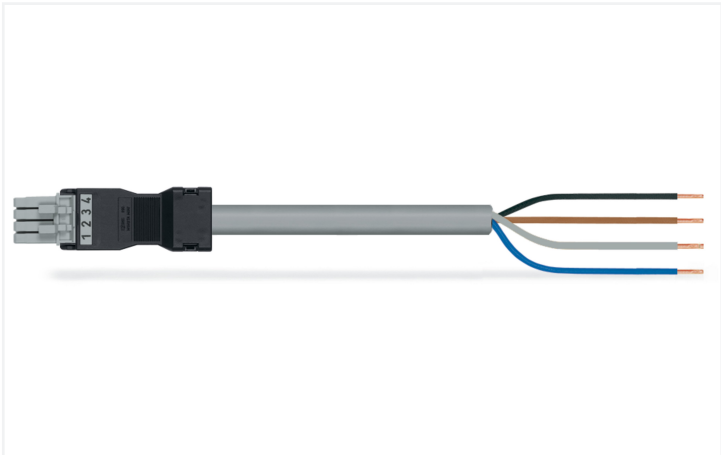
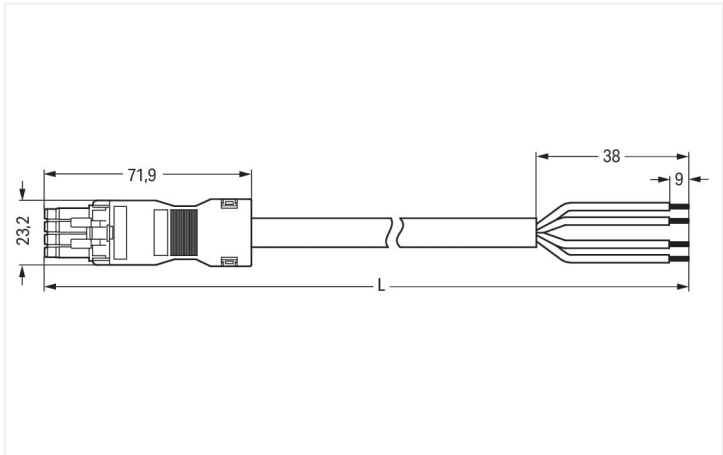




Color: ■ gray



Dimensions in mm

Cable assembly WINSTA® MINI with protection against mismatching

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MINI cable assembly with protection against mismatching. Our pluggable installation connectors with spring pressure connection technology work without screw connections. They allow flexible, error-free installation in a large number of applications. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. The pluggable installation connector is protected in accordance with protection type IP40. Users' hands and tools will never come into contact with live elements. B coding enables the WINSTA® MINI pluggable installation connectors to be used for application control in the domains of automation, robotics, and mechanical engineering. Especially if only limited space is available, our smallest pluggable connection system, WINSTA® MINI, conveniently displays its strengths. It is very compact, and, thanks to Push-in CAGE CLAMP® spring pressure connection technology, it additionally saves time, since the connection is low-maintenance and requires no screw connections. This product meets all the relevant safety requirements of fire class E; thus it can be used in areas where fire safety is relevant.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable is pre-assembled with a socket and a free end. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Choose quality and durability – with strain relief hosting from WAGO makes the installation of electrical components substantially easier.

- effective protection against mismatching
- consistent IP40 protection
- with B coding for use in automation of processes, such as lighting technology, for example
- flexible installation to save space
- convenient installation and commissioning

| Notes     |                                                                                                                                                                                     |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note      | Cables with a different fire class can be found in the eShop.                                                                                                                       |
| Variants: | Other pole markings<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> . |

| 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        |  | 16 A           | -   | -  |

| Ratings per IEC/EN – Notes |                                              |
|----------------------------|----------------------------------------------|
| Rated current (note)       | 13 A for 3-pole load<br>10 A for 4-pole load |



| General information        |                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------|
| Note on contact resistance | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/<br>socket |

| Connection data            |                           |                                 |                    |
|----------------------------|---------------------------|---------------------------------|--------------------|
| Total number of potentials | 4                         | <b>Connection 1</b>             |                    |
| Conductor preparation      | ultrasonically tip-bonded | Strip length                    | 9 mm / 0.35 inches |
|                            |                           | Pole number                     | 4                  |
|                            |                           | Wire cross-section              | 1.5 mm²            |
|                            |                           | Strip length (outer insulation) | 38 mm              |
|                            |                           | Connection type                 | Socket - free end  |

| Physical data |                        |
|---------------|------------------------|
| Pin spacing   | 4.4 mm / 0.173 inches  |
| Width         | 23.2 mm / 0.913 inches |
| Height        | 16 mm / 0.63 inches    |
| Total length  | 5 m                    |

| Mechanical data                         |                                                               |
|-----------------------------------------|---------------------------------------------------------------|
| Use                                     | Control technology                                            |
| Coding                                  | B                                                             |
| Variable coding                         | No                                                            |
| Marking                                 | 1 2 3 4                                                       |
| Potential marking                       | 1 2 3 4                                                       |
| Mating force of a plug-in connection    | approx. 20 ... 70 N (depending on pole number)                |
| Retention force of a plug-in connection | when locked: > 80N                                            |
| Unmating force of a plug-in connection  | when unlocked: approx. 20 ... 70 N (depending on pole number) |
| Number of mating cycles                 | 200, without resistive load                                   |
| Connection type                         | Socket - free end                                             |
| Type of pre-assembled cable             | Connecting cable                                              |
| Cable type                              | Control line 4x1.5                                            |
| Protection type                         | IP40                                                          |

| Plug-in connection            |                                                                                                                                                                                                                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mismating protection          | Yes                                                                                                                                                                                                                                                                                                              |
| Note on mismating protection  | All WINSTA® components are 100% protected against mismating when:<br>a.) plugging different numbers of poles<br>b.) plugging while rotated 180<br>c.) plugging while laterally staggered<br>d.) plugging one pole                                                                                                |
| Locking lever                 | Can be retrofitted                                                                                                                                                                                                                                                                                               |
| Locking of plug-in connection | Locking lever                                                                                                                                                                                                                                                                                                    |
| Note on locking system        | 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). |



| Material data                      |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | gray                                                                     |
| Insulation material (main housing) | Polyamide (PA66)                                                         |
| Fire class per EN 50575            | E <sub>ca</sub>                                                          |
| Contact material                   | Copper or copper alloy; surface-treated                                  |
| Contact Plating                    | Tin                                                                      |
| Fire load                          | 0.315 MJ                                                                 |
| Connector color                    | gray                                                                     |
| Strain relief color                | black                                                                    |
| Sheathed cable color               | gray                                                                     |
| Printing color of sheathed cable   | black                                                                    |
| Halogen-free                       | No                                                                       |
| Silicon-free                       | Yes                                                                      |
| Sheath material                    | PVC                                                                      |
| Rubber cable                       | No                                                                       |
| Weight                             | 553.9 g                                                                  |
| Copper weight of the pipe          | 0.058 kg/m                                                               |

| 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 |

| Commercial data       |               |
|-----------------------|---------------|
| eCl@ss 10.0           | 27-44-06-04   |
| eCl@ss 9.0            | 27-44-06-04   |
| ETIM 9.0              | EC002587      |
| ETIM 8.0              | EC002587      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | unpacked      |
| Country of origin     | PL            |
| GTIN                  | 4050821446699 |
| Customs tariff number | 85444290900   |

| Environmental Product Compliance |                        |
|----------------------------------|------------------------|
| RoHS Compliance Status           | Compliant,No Exemption |

| Downloads                                            |  |
|------------------------------------------------------|--|
| Environmental Product Compliance                     |  |
| Compliance Search                                    |  |
| Environmental Product Compliance<br>891-8994/106-503 |  |



Documentation

| Bid Text         |            |                 |  |
|------------------|------------|-----------------|--|
| 891-8994/106-503 | 19.02.2019 | xml<br>3.00 KB  |  |
| 891-8994/106-503 | 02.12.2014 | doc<br>25.50 KB |  |

CAD/CAE-Data

| CAE data                              |  |
|---------------------------------------|--|
| EPLAN Data Portal<br>891-8994/106-503 |  |

1 Compatible Products

1.1 Required Accessories

1.1.1 Locking system

1.1.1.1 Locking system



[Item No.: 890-111](#)  
Locking lever; for flying leads; for tool operation; black



[Item No.: 890-131](#)  
Locking lever; for flying leads; for tool operation; white



[Item No.: 890-101](#)  
Locking lever; for manual operation; black



[Item No.: 890-121](#)  
Locking lever; for manual operation; white

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



[Item No.: 897-2003](#)  
Protective cap; Type2; for sockets and plugs; PVC; red

1.2.2 Installation

1.2.2.1 Mounting accessories



[Item No.: 890-310](#)  
Mounting carrier; 2- to 5-pole; for flying leads; black



[Item No.: 890-311](#)  
Mounting carrier; 2- to 5-pole; for flying leads; white