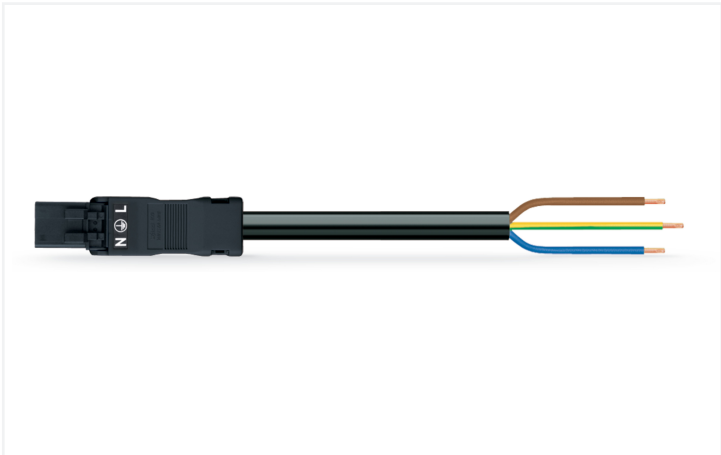
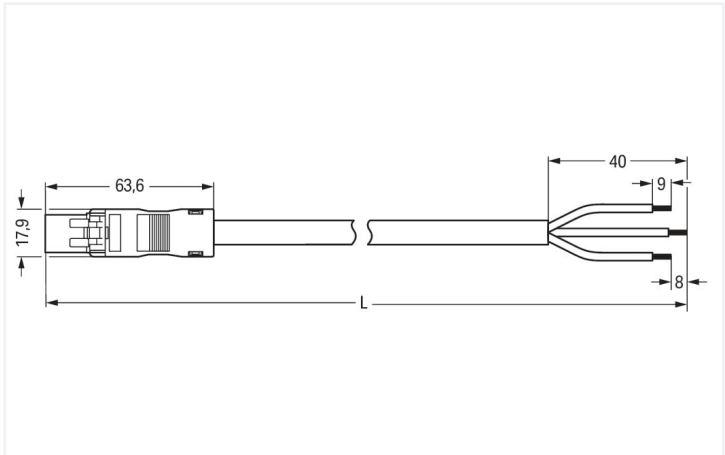




Color: ■ black



Dimensions in mm

Cable assembly WINSTA® MINI with protection type IP20

The WINSTA® MINI cable assembly A coding is the pluggable solution for your use in control cabinets, on PCBs or for lighting connections. Our pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow fast, efficient, error-free installation in numerous applications. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. General mains applications for almost any domain of use can be realised with WINSTA® MINI pluggable installation connectors with A coding. Thanks to its particularly compact dimensions, our WINSTA® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is specifically suitable in very tight spaces, i.e., for connections when very little room is available. According to the European CPR, the fire class of the cables used in construction is decisive for the safety of buildings as well. For houses with average safety requirements, cable assemblies with fire class E are suitable.

Fast, error-free assembly thanks to cable assemblies from WAGO

A plug and a free end are available. The WINSTA® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, even more reliable, and error-free. Use of this pre-assembled system decreases assembly times and installation errors at the construction site. Now you can also lower installation costs without compromising safety and quality: with marking reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- consistent IP40 protection
- for any mains application
- ready to install and use immediately
- rapid, structured electrical installation

| Notes |                                                               |
|-------|---------------------------------------------------------------|
| Note  | Cables with a different fire class can be found in the eShop. |

| Electrical data      |  |                |     |    | General information                             |  |
|----------------------|--|----------------|-----|----|-------------------------------------------------|--|
| Ratings per          |  | IEC/EN 60664-1 |     |    | Note on contact resistance                      |  |
| Overvoltage category |  | III            | III | II | approx. 1 mΩ of contact resistance              |  |
| Pollution degree     |  | 3              | 2   | 2  | approx. 0.25 mΩ contact transition plug/ socket |  |
| Nominal voltage      |  | 250 V          | -   | -  |                                                 |  |
| Rated surge voltage  |  | 4 kV           | -   | -  |                                                 |  |
| Rated current        |  | 10 A           | -   | -  |                                                 |  |



| Connection data            |                           |                                 |                    |
|----------------------------|---------------------------|---------------------------------|--------------------|
| Total number of potentials | 3                         | Connection 1                    |                    |
| PE function                | Preceding PE contact      | Strip length                    | 9 mm / 0.35 inches |
| Conductor preparation      | ultrasonically tip-bonded | Pole number                     | 3                  |
|                            |                           | Wire cross-section              | 1 mm²              |
|                            |                           | Strip length (outer insulation) | 40 mm              |
|                            |                           | Connection type                 | Plug - free end    |

| Physical data |  |                        |
|---------------|--|------------------------|
| Pin spacing   |  | 4.4 mm / 0.173 inches  |
| Width         |  | 17.9 mm / 0.705 inches |
| Height        |  | 14 mm / 0.551 inches   |
| Total length  |  | 1 m                    |

| Mechanical data                         |  |                                                               |
|-----------------------------------------|--|---------------------------------------------------------------|
| Use                                     |  | General mains applications                                    |
| Coding                                  |  | A                                                             |
| Variable coding                         |  | No                                                            |
| Marking                                 |  | L ⊕ N                                                         |
| Potential marking                       |  | L ⊕ N                                                         |
| 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                         |  | Plug - free end                                               |
| Type of pre-assembled cable             |  | Connecting cable                                              |
| Cable type                              |  | H05VV-F 3G1                                                   |
| Protection type                         |  | IP20; IP40 when mated                                         |

| Plug-in connection            |  |                                                                                                                                                                                                                                                                                                                  |
|-------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mismating protection          |  | Yes                                                                                                                                                                                                                                                                                                              |
| Note on mismating protection  |  | All <i>WINSTA</i> ® 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                              |  | black                                                                    |
| 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                          |  | 29.857 MJ                                                                |
| Connector color                    |  | black                                                                    |
| Strain relief color                |  | black                                                                    |



| Material data                    |            |
|----------------------------------|------------|
| Sheathed cable color             | black      |
| Printing color of sheathed cable | white      |
| Halogen-free                     | No         |
| Silicon-free                     | Yes        |
| Sheath material                  | PVC        |
| Rubber cable                     | No         |
| Weight                           | 81.4 g     |
| Copper weight of the pipe        | 0.029 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                  | 4055143355223 |
| Customs tariff number | 85444290900   |

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

Downloads

| Environmental Product Compliance                     |  |
|------------------------------------------------------|--|
| Compliance Search                                    |  |
| Environmental Product Compliance<br>891-8993/205-101 |  |

Documentation

| Bid Text         |            |                 |  |
|------------------|------------|-----------------|--|
| 891-8993/205-101 | 19.02.2019 | xml<br>3.00 KB  |  |
| 891-8993/205-101 | 26.11.2014 | doc<br>25.50 KB |  |



| CAD/CAE-Data                          |  |
|---------------------------------------|--|
| CAE data                              |  |
| EPLAN Data Portal<br>891-8993/205-101 |  |
| WSCAD Universe<br>891-8993/205-101    |  |

| 1 Compatible Products    |
|--------------------------|
| 1.1 Required Accessories |
| 1.1.1 Locking system     |
| 1.1.1.1 Locking system   |



|                                                                                                 |                                                                                                 |                                                                                 |                                                                                 |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| <a href="#">Item No.: 890-111</a><br>Locking lever; for flying leads; for tool operation; black | <a href="#">Item No.: 890-131</a><br>Locking lever; for flying leads; for tool operation; white | <a href="#">Item No.: 890-101</a><br>Locking lever; for manual operation; black | <a href="#">Item No.: 890-121</a><br>Locking lever; for manual operation; white |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|

| 1.2 Optional Accessories |
|--------------------------|
| 1.2.1 Cover              |
| 1.2.1.1 Cover            |



|                                                                                              |
|----------------------------------------------------------------------------------------------|
| <a href="#">Item No.: 897-2001</a><br>Protective cap; Type1; for sockets and plugs; PVC; red |
|----------------------------------------------------------------------------------------------|

| 1.2.2 Installation           |
|------------------------------|
| 1.2.2.1 Mounting accessories |



|                                                                                              |                                                                                              |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <a href="#">Item No.: 890-310</a><br>Mounting carrier; 2- to 5-pole; for flying leads; black | <a href="#">Item No.: 890-311</a><br>Mounting carrier; 2- to 5-pole; for flying leads; white |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|