



Color: ■ black



Dimensions in mm

Cable assembly *WINSTA*® MINI with protection type IP20

The *WINSTA*® MINI cable assembly with protection type IP20 is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. WAGO pluggable installation connectors are useful when requirements repeat or are distributed on a specific grid, for example for installing grid lighting or flush-mount lighting. For greater security in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. Standard mains applications for almost any domain of use can be realised with *WINSTA*® MINI pluggable installation connectors with A coding. *WINSTA*® MINI satisfies the demand for miniaturisation. Our smallest pluggable connection system is very good for lights, for example, since as a result of LED technology; due to complex systems, these offer significantly less space for the connection technology. This product meets all the mandatory safety requirements of fire class E; as a result 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 plug. *WINSTA*® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Choose quality and durability – with strain relief hosting from WAGO makes the electrical installation of electrical components visibly easier.

- pluggable installation connectors with protection against mismatching
- easy tool-free operation, a wide range of coding options
- with A coding for a great number of uses
- custom-engineered solutions
- convenient installation and commissioning

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

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



Connection data

|                            |   |                    |               |
|----------------------------|---|--------------------|---------------|
| Total number of potentials | 2 | Connection 1       |               |
|                            |   | Pole number        | 2             |
|                            |   | Wire cross-section | 1 mm²         |
|                            |   | Connection type    | Socket - Plug |

Physical data

|              |                        |
|--------------|------------------------|
| Pin spacing  | 4.4 mm / 0.173 inches  |
| Width        | 15.6 mm / 0.614 inches |
| Height       | 13.2 mm / 0.52 inches  |
| Total length | 6 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                         | Socket - Plug                                                 |
| Type of pre-assembled cable             | Interconnecting cable                                         |
| Cable type                              | H05VV-F 2x1                                                   |
| Protection type                         | IP20; IP40 when mated                                         |

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                              | 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                          | 179.25 MJ                                                                |
| Connector color                    | black                                                                    |
| Strain relief color                | black                                                                    |
| Sheathed cable color               | black                                                                    |
| Printing color of sheathed cable   | white                                                                    |



| Material data             |             |
|---------------------------|-------------|
| Halogen-free              | No          |
| Silicon-free              | Yes         |
| Sheath material           | PVC         |
| Rubber cable              | No          |
| Weight                    | 352.9 g     |
| Copper weight of the pipe | 0.0192 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                  | 4055143323000 |
| Customs tariff number | 85444290900   |

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

Approvals / Certificates

| General approvals                                                                  |          | Declarations of conformity and manufacturer's declarations |                  |
|------------------------------------------------------------------------------------|----------|------------------------------------------------------------|------------------|
|  |          | Approval                                                   | Certificate Name |
| Approval                                                                           | Standard | Standard                                                   | Certificate Name |
| CCA<br>DEKRA Certification B.V.                                                    | EN 61535 | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -                |
| KEMA/KEUR<br>DEKRA Certification B.V.                                              | EN 61535 | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -                |
|                                                                                    |          |                                                            |                  |



Downloads

Environmental Product Compliance

|                                  |  |  |   |
|----------------------------------|--|--|---|
| Compliance Search                |  |  |   |
| Environmental Product Compliance |  |  | ↓ |
| 891-8992/005-601                 |  |  |   |

Documentation

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| Bid Text         |            |                 |   |
| 891-8992/005-601 | 19.02.2019 | xml<br>2.92 KB  | ↓ |
| 891-8992/005-601 | 24.11.2014 | doc<br>23.00 KB | ↓ |

CAD/CAE-Data

|                   |  |  |   |
|-------------------|--|--|---|
| CAE data          |  |  |   |
| EPLAN Data Portal |  |  | ↓ |
| 891-8992/005-601  |  |  |   |
| WSCAD Universe    |  |  | ↓ |
| 891-8992/005-601  |  |  |   |

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.: 897-2001](#)  
Protective cap; Type1; 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