



Color: ■ black



Dimensions in mm

Cable assembly WINSTA® MINI A coding

For power and signal transmission: The WINSTA® MINI cable assembly with protection type IP20. WAGO pluggable installation connectors are used when specifications repeat or are planned on a defined grid, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, secure wiring of all components. The WINSTA® MINI pluggable installation connector with A coding in white or black is usually used for general mains applications in power distribution. Particularly if only limited space is available, our smallest pluggable connection system, WINSTA® MINI, consistently displays its advantages. It saves space, and, thanks to Push-in CAGE CLAMP® spring pressure connection technology, it additionally can be installed quickly, since the installation is low-maintenance and requires no screw connections. This product meets all the relevant safety requirements of fire class E; therefore it can be used in areas where fire safety is relevant. The cable assembly is free of halogen. This eliminates the addition of environmental pollutants during production. It also increases the fire class, since halogen-free materials are flame-resistant.

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

A socket and a plug are available. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Now you can also reduce installation expenses without compromising quality and safety: with marking reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- easy tool-free operation, a wide range of coding options
- suitable for any application
- flexible installation to save space
- convenient installation and commissioning

| 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              | 2                                                                                                                                                                                                                                                                                                                | <div>Connection 1</div> <div>Pole number2</div> <div>Wire cross-section1 mm²</div> <div>Connection typeSocket - Plug</div> |
|                                         |                                                                                                                                                                                                                                                                                                                  |                                                                                                                            |
|                                         |                                                                                                                                                                                                                                                                                                                  |                                                                                                                            |
|                                         |                                                                                                                                                                                                                                                                                                                  |                                                                                                                            |
| 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                            | 3 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                              | H05Z1Z1-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)                                                                                                                                                                                                                                                                                                 |                                                                                                                            |
| Flammability class per UL94             | V0                                                                                                                                                                                                                                                                                                               |                                                                                                                            |
| Fire class per EN 50575                 | E <sub>ca</sub>                                                                                                                                                                                                                                                                                                  |                                                                                                                            |
| Contact material                        | Copper or copper alloy; surface-treated                                                                                                                                                                                                                                                                          |                                                                                                                            |
| Contact Plating                         | Tin                                                                                                                                                                                                                                                                                                              |                                                                                                                            |
| Fire load                               | 89.37 MJ                                                                                                                                                                                                                                                                                                         |                                                                                                                            |
| Connector color                         | black                                                                                                                                                                                                                                                                                                            |                                                                                                                            |
| Strain relief color                     | black                                                                                                                                                                                                                                                                                                            |                                                                                                                            |
| Sheathed cable color                    | black                                                                                                                                                                                                                                                                                                            |                                                                                                                            |



| Material data                    |              |
|----------------------------------|--------------|
| Printing color of sheathed cable | white        |
| Halogen-free                     | Yes          |
| Silicon-free                     | Yes          |
| Sheath material                  | Halogen-free |
| Rubber cable                     | No           |
| Weight                           | 180.6 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                  | 4055143391269 |
| Customs tariff number | 85444290900   |

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

| Approvals / Certificates                                     |          |                                                            |
|--------------------------------------------------------------|----------|------------------------------------------------------------|
| General approvals                                            |          | Declarations of conformity and manufacturer's declarations |
| <div><div><div>CCA</div><div>KEMA<br/>KEUR</div></div></div> |          |                                                            |
| Approval                                                     | Standard | Certificate Name                                           |
| CCA<br>DEKRA Certification B.V.                              | EN 61535 | NTR NL-7971                                                |
| KEMA/KEUR<br>DEKRA Certification B.V.                        | EN 61535 | 71-123232                                                  |
| Approval                                                     | Standard | Certificate Name                                           |
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG      | -        | -                                                          |
| UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG      | -        | -                                                          |



Downloads

Environmental Product Compliance

|                                  |  |  |   |
|----------------------------------|--|--|---|
| Compliance Search                |  |  |   |
| Environmental Product Compliance |  |  | ↓ |
| 891-8992/015-301                 |  |  |   |

Documentation

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| Bid Text         |            |                 |   |
| 891-8992/015-301 | 19.02.2019 | xml<br>2.94 KB  | ↓ |
| 891-8992/015-301 | 21.11.2014 | doc<br>23.50 KB | ↓ |

CAD/CAE-Data

|                                       |   |
|---------------------------------------|---|
| CAE data                              |   |
| EPLAN Data Portal<br>891-8992/015-301 | ↓ |
| WSCAD Universe<br>891-8992/015-301    | ↓ |

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