



Color: ■ black



Dimensions in mm

Cable assembly *WINSTA*® MIDI with protection against mismating

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA*® MIDI cable assembly with protection type IP20. WAGO pluggable installation connectors can be used when requirements repeat or are planned on a defined pattern, for example for installing grid lighting or flush-mount lighting. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. The pluggable installation connector is protected in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). This means that users' fingers will never come into contact with electrified elements. General mains applications for almost any domain of use can be implemented with *WINSTA*® MIDI pluggable installation connectors with A coding. Our *WINSTA*® MIDI product line allows flexibility for the installation of applications. Through its Push-in CAGE CLAMP® spring pressure connection technology, it achieves error-free, time-saving installation and offers flexibility for meeting various installation requirements. Of course, the safety of buildings must always be ensured, even after the electrical installation has been performed. The mandatory safety requirements in connection with EU CPR are fully satisfied by this product through fire class E. The cable assembly is halogen-free. This eliminates the addition of environmental pollutants during production. It also achieves a higher fire class, since halogen-free materials are flame-resistant.

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

The cable is pre-assembled with a socket and a plug. The *WINSTA*® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with *WINSTA*® MIDI pluggable installation connectors with protection against mismating from WAGO.

- effective protection against mismating
- pre-assembled versions
- for any mains application
- custom-engineered solutions
- rapid, structured electrical installation

| 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 |
| Pollution degree     |  | 3              | 2   | 2  |
| Nominal voltage      |  | 250 V          | -   | -  |
| Rated surge voltage  |  | 4 kV           | -   | -  |
| Rated current        |  | 16 A           | -   | -  |

| Ratings per UL 1977    |                                                                                                                                                                                                                                          |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note for the US market | 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. |

### 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 | 2 | <b>Connection 1</b>     |                     |
|                            |   | Pole number             | 2                   |
|                            |   | Sheathed cable diameter | 6.8 ... 8.6 mm      |
|                            |   | Wire cross-section      | 1.5 mm <sup>2</sup> |
|                            |   | Connection type         | Socket - Plug       |

### Physical data

|              |                        |
|--------------|------------------------|
| Pin spacing  | 10 mm / 0.394 inches   |
| Width        | 24.6 mm / 0.969 inches |
| Height       | 15.9 mm / 0.626 inches |
| Total length | 5 m                    |

### Mechanical data

|                                         |                                                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Application                             | 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 2x1.5                                                                                               |
| Protection type                         | IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

### 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="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                            | black                                                                                                                  |
| Insulation material              | Polyamide (PA66)                                                                                                       |
| Fire class per EN 50575          | E <sub>ca</sub>                                                                                                        |
| Contact material                 | Copper or copper alloy; surface-treated                                                                                |
| Contact plating                  | Tin                                                                                                                    |
| Fire load                        | 149.54 MJ                                                                                                              |
| Connector color                  | black                                                                                                                  |
| Strain relief color              | black                                                                                                                  |
| Sheathed cable color             | black                                                                                                                  |
| Printing color of sheathed cable | white                                                                                                                  |
| Halogen-free                     | Yes                                                                                                                    |
| Silicon-free                     | Yes                                                                                                                    |
| Sheath material                  | Halogen-free                                                                                                           |
| Rubber cable                     | No                                                                                                                     |
| Weight                           | 414.2 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 8.0              | EC002587      |
| ETIM 7.0              | EC002587      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | unpacked      |
| Country of origin     | DE            |
| GTIN                  | 4055143445115 |
| 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                                                | Standard  | Certificate Name                                           |
| CCA<br>DEKRA Certification B.V.                         | IEC 61535 | NTR NL-7355                                                |
| KEMA/KEUR<br>DEKRA Certification B.V.                   | EN 61535  | 71-123834                                                  |
|                                                         |           |                                                            |
| 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  
771-8992/016-501

↓

Documentation

Bid Text

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| 771-8992/016-501 | 19.02.2019 | xml<br>2.93 KB  | ↓ |
| 771-8992/016-501 | 03.12.2014 | doc<br>24.50 KB | ↓ |

CAD/CAE-Data

CAD data

2D/3D Models  
771-8992/016-501

↓

CAE data

EPLAN Data Portal  
771-8992/016-501

↓

WSCAD Universe  
771-8992/016-501

↓

ZUKEN Portal  
771-8992/016-501

↓

1 Compatible Products

1.1 Required Accessories

1.1.1 Locking system

1.1.1.1 Locking system



Item No.: 770-101  
Locking lever; for flying leads; for manual operation; black



Item No.: 770-121  
Locking lever; for flying leads; for manual operation; white



Item No.: 770-111  
Locking lever; for flying leads; for tool operation; black



Item No.: 770-131  
Locking lever; for flying leads; for tool operation; white

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



Item No.: 770-201  
Lockout cap; 12-pole, separable; for sockets; Plastic; black



Item No.: 770-221  
Lockout cap; 12-pole, separable; for sockets; Plastic; white



Item No.: 770-360  
Lockout cap; for plugs; 5-pole; separable; yellow



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.: 770-310**

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

## 1.2.3 Marking

### 1.2.3.1 Marking strip



**Item No.: 210-334**

Marking strips; as a DIN A4 sheet; Strip width 5 mm; Strip length 182 mm; plain; Self-adhesive; white