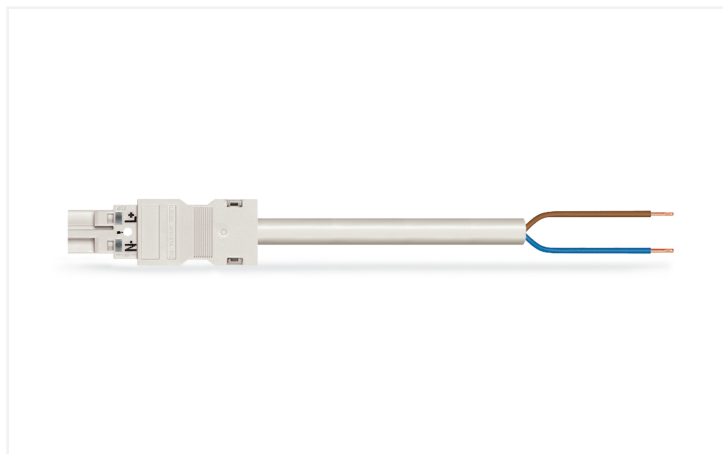


## Data Sheet | Item Number: 771-8992/217-802

pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. A; H05Z1Z1-F 2 x 2.5 mm<sup>2</sup>; 8 m; 2,50 mm<sup>2</sup>; white

<https://www.wago.com/771-8992/217-802>



Color: ■ white



Dimensions in mm

### Cable assembly WINSTA® MIDI with protection type IP20

The WINSTA® MIDI cable assembly with protection against mismatching provides the foundation for installation of solid and fine-stranded conductors. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to various requirements in seconds. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismatching. The pluggable installation connector offers protection against contact with live components in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). Standard mains applications for almost any domain of use can be realised with WINSTA® MIDI pluggable installation connectors with A coding. Important parameters in the selection of a pluggable installation connector are the rated current and voltage: They tell us about the product's domains of use. This product has a current rating of 20 A – so it is suitable for robust loads. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates safe electrification. Thanks to the built-in test slot, it is possible to check connections even when they are plugged in. That saves time and reduces installation labor and costs. According to the European CPR, the fire class of the cables used in construction is decisive for the safety of buildings as well. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable. In the production of this cable assembly, we eliminated the use of halogen. This is an important contribution to climate protection.

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

The cable assembly is equipped with a plug and a free end. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Now you can also reduce installation expenses without compromising quality and safety: with strain relief hosting reduces the need for servicing and prevents unnecessary downtime.

- protection against mismatching eliminates errors
- pre-assembled versions
- suitable for any application
- flexible installation to save space
- 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 |     |    | General information        |  |
|---------------------------------|----------------|-----|----|----------------------------|--|
| Overvoltage category            | III            | III | II | Note on contact resistance | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/<br>socket |
| Pollution degree                | 3              | 2   | 2  |                            |  |
| Nominal voltage                 | 250 V          | -   | -  |                            |  |
| Rated impulse withstand voltage | 4 kV           | -   | -  |                            |  |
| Rated current                   | 20 A           | -   | -  |                            |  |

## Connection Data

|                            |                           |                                 |                     |
|----------------------------|---------------------------|---------------------------------|---------------------|
| Total number of potentials | 2                         | <b>Connection 1</b>             |                     |
| Conductor preparation      | ultrasonically tip-bonded | Strip length                    | 9 mm / 0.35 inches  |
|                            |                           | Pole number                     | 2                   |
|                            |                           | Wire cross-section              | 2.5 mm <sup>2</sup> |
|                            |                           | Strip length (outer insulation) | 35 mm               |
|                            |                           | Connection type                 | Plug - free end     |

## 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 | 8 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                              | H05Z1Z1-F 2x2.5   |
| 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="#">Information on material specifications can be found here</a> |
| Color                              | white  |
| 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                          | 239.716 MJ   |
| Connector color                    | white  |
| Strain relief color                | white  |
| Sheathed cable color               | white  |
| Printing color of sheathed cable   | black  |
| Halogen-free                       | Yes  |
| Silicon-free                       | Yes  |
| Sheath material                    | Halogen-free   |
| Rubber cable                       | No   |
| Weight                             | 1026.3 g   |
| Copper weight of the raw cable     | 0.048 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

|                       |               |
|-----------------------|---------------|
| PU (SPU)              | 1 pcs         |
| Packaging type        | unpacked      |
| Country of origin     | DE            |
| GTIN                  | 4050821121053 |
| Customs tariff number | 85444290900   |

**Product Classification**

|             |                      |
|-------------|----------------------|
| UNSPSC      | 26121629             |
| eCl@ss 10.0 | 27-44-06-04          |
| eCl@ss 9.0  | 27-44-06-04          |
| ETIM 9.0    | EC002587             |
| ETIM 10.0   | EC002587             |
| ECCN        | NO US CLASSIFICATION |

**Environmental Product Compliance**

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

**Approvals / Certificates**

| General approvals                     |          |                  | Declarations of conformity and manufacturer's declarations |          |                  |
|---------------------------------------|----------|------------------|--|----------|------------------|
|                                       |          |                  |  |          |                  |
| Approval                              | Standard | Certificate Name | Approval   | Standard | Certificate Name |
| CCA<br>DEKRA Certification B.V.       | EN 61535 | NTR NL-7972      | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 61535 | 71-123834        | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |

**Downloads**

**Environmental Product Compliance**

| Compliance Search                                    |   |
|--|---|
| Environmental Product Compliance<br>771-8992/217-802 | ↓ |

**Documentation**

| Bid Text         |            |                 |   |
|------------------|------------|-----------------|---|
| 771-8992/217-802 | 19.02.2019 | xml<br>3.02 KB  | ↓ |
| 771-8992/217-802 | 03.12.2014 | doc<br>25.50 KB | ↓ |

**CAD/CAE-Data**

| CAE data                              |   |
|---------------------------------------|---|
| EPLAN Data Portal<br>771-8992/217-802 | ↓ |
| WSCAD Universe<br>771-8992/217-802    | ↓ |

## 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.: 770-360**

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