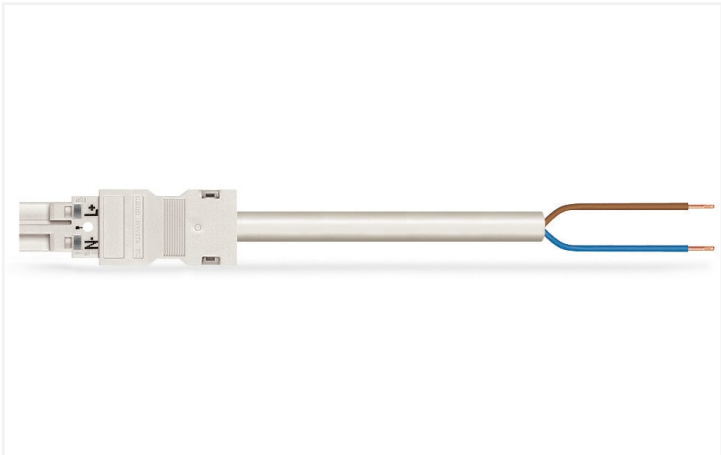




Color:   white



Dimensions in mm

Cable assembly WINSTA® MIDI 2-pole

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MIDI cable assembly with protection type IP20. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to a huge variety of requirements in no time flat. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. The pluggable installation connector is protected against ingress by solid objects in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). Thanks to the color coding and mechanical A coding of WINSTA® MIDI pluggable installation connectors, you can clearly distinguish different circuits. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in a broad range of individual products you can use for quick, easy and maximally flexible installation. This product meets all the mandatory fire protection requirements of fire class E; as a result it can be used in areas where fire safety is relevant. 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 do not easily ignite.

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

A plug and a free end are provided. The WINSTA® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, even more reliable, and error-free. Use of this pre-assembled system decreases time spent on assembly and installation errors at the construction site. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with WINSTA® MIDI pluggable installation connectors with strain relief hosting from WAGO.

- effective protection against mismatching
- simple circuits
- with A coding for a great number of applications
- custom-engineered solutions
- fast, secure 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>             |                    |
| Conductor preparation      | ultrasonically tip-bonded | Strip length                    | 9 mm / 0.35 inches |
|                            |                           | Pole number                     | 2                  |
|                            |                           | Sheathed cable diameter         | 6.8 ... 8.6 mm     |
|                            |                           | Wire cross-section              | 1.5 mm²            |
|                            |                           | 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 | 6 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                         | Plug - free end                                                                                               |
| Type of pre-assembled cable             | Connecting 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 <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="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                            | white                                                                                                                  |
| 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                        | 179.704 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                           | 485.3 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                  | 4050821104865 |
| 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.                         | EN 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  
771-8992/216-602

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Documentation

Bid Text

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| 771-8992/216-602 | 19.02.2019 | xml<br>3.00 KB  | ↓ |
| 771-8992/216-602 | 03.12.2014 | doc<br>25.50 KB | ↓ |

CAD/CAE-Data

CAD data

2D/3D Models  
771-8992/216-602

↓

CAE data

EPLAN Data Portal  
771-8992/216-602

↓

WSCAD Universe  
771-8992/216-602

↓

ZUKEN Portal  
771-8992/216-602

↓

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