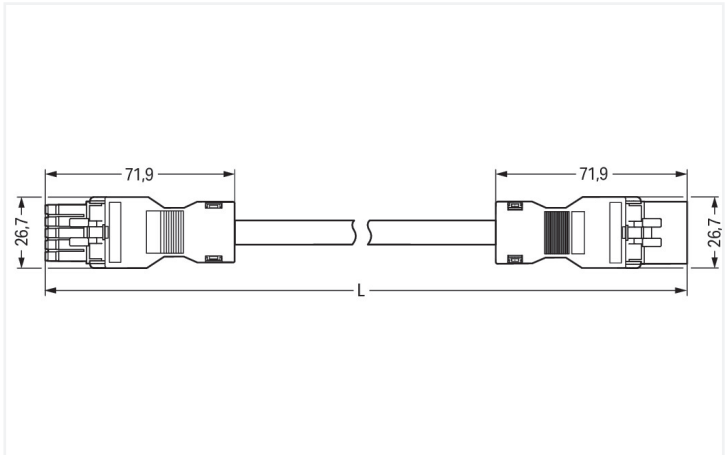




Color:  white



Dimensions in mm

Cable assembly WINSTA® MINI with strain relief

The WINSTA® MINI cable assembly rated current 13 A is the pluggable solution for your use in control cabinets, on PCBs or for lighting connections. 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 coding options reduce installation errors, allowing fast, secure wiring of all components. Thanks to the color coding and mechanical A coding of WINSTA® MINI pluggable installation connectors, you can clearly distinguish different circuits. Particularly where space is tight, our smallest pluggable connection system, WINSTA® MINI, conveniently displays its advantages. It saves space, and, thanks to Push-in CAGE CLAMP® spring pressure connection technology, it also saves time, since the installation is low-maintenance and can be performed without screw connections. This product meets all the relevant fire protection requirements of fire class E; as a result it can be used in areas where fire safety is relevant. In the manufacturing of this cable assembly, halogens were deliberately omitted. That is an important contribution to environmental protection.

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

The cable assembly is provided with a socket and a plug. WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It ensures error-free installation of cables and components, quickly and reliably. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection type IP20 from WAGO.

- effective protection against mismatching
- consistent IP40 protection
- with A coding for a large number of applications
- ready to install and use immediately
- 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      | 400 V | -              | -  |  |                                                 |  |
| Rated surge voltage  | 6 kV  | -              | -  |  |                                                 |  |
| Rated current        | 13 A  | -              | -  |  |                                                 |  |

## Connection data

|                            |   |                     |                     |
|----------------------------|---|---------------------|---------------------|
| Total number of potentials | 5 | <b>Connection 1</b> |                     |
|                            |   | Pole number         | 5                   |
|                            |   | Wire cross-section  | 1.5 mm <sup>2</sup> |
|                            |   | Connection type     | Socket - Plug       |

## Physical data

|              |                        |
|--------------|------------------------|
| Pin spacing  | 4.4 mm / 0.173 inches  |
| Width        | 26.7 mm / 1.051 inches |
| Height       | 15.8 mm / 0.622 inches |
| Total length | 3 m                    |

## Mechanical data

|                                         |                                                               |
|-----------------------------------------|---------------------------------------------------------------|
| Use                                     | General mains applications                                    |
| Coding                                  | A                                                             |
| Variable coding                         | No                                                            |
| Marking                                 | N ⊕ 1 2 3                                                     |
| Potential marking                       | N ⊕ 1 2 3                                                     |
| 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 5G1.5                                               |
| 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                              | 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                          | 89.976 MJ                                                                |
| Connector color                    | white                                                                    |
| Strain relief color                | white                                                                    |
| Sheathed cable color               | white                                                                    |
| Printing color of sheathed cable   | black                                                                    |



| Material data             |              |
|---------------------------|--------------|
| Halogen-free              | Yes          |
| Silicon-free              | Yes          |
| Sheath material           | Halogen-free |
| Rubber cable              | No           |
| Weight                    | 483.1 g      |
| Copper weight of the pipe | 0.072 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                  | 4055143400107 |
| Customs tariff number | 85444290900   |

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

Approvals / Certificates

General approvals



| 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        |

Declarations of conformity and manufacturer's declarations

| 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  
891-8995/016-302

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Documentation

Bid Text

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| 891-8995/016-302 | 19.02.2019 | xml<br>2.92 KB  | ↓ |
| 891-8995/016-302 | 01.12.2014 | doc<br>24.50 KB | ↓ |

CAD/CAE-Data

CAD data

2D/3D Models  
891-8995/016-302

↓

CAE data

EPLAN Data Portal  
891-8995/016-302

↓

WSCAD Universe  
891-8995/016-302

↓

ZUKEN Portal  
891-8995/016-302

↓

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.: 897-2003](#)  
Protective cap; Type2; 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