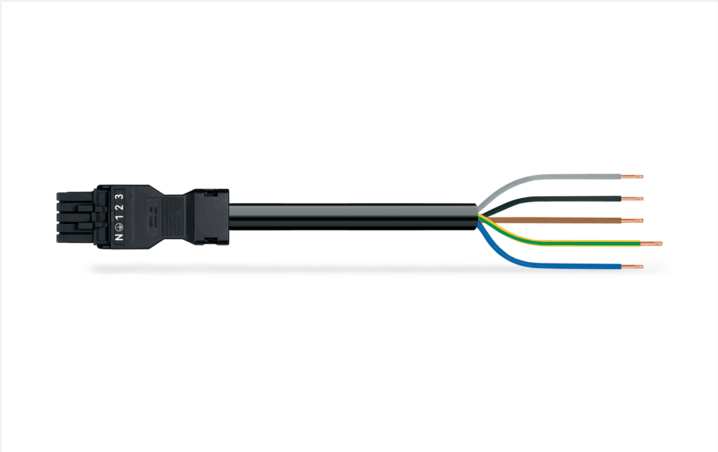
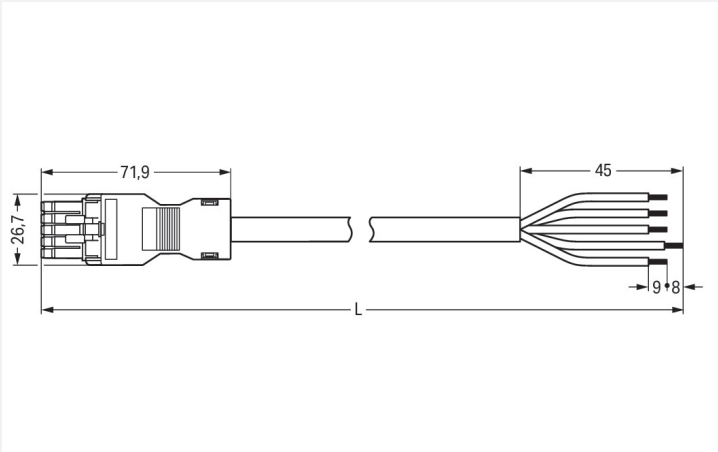
# Data Sheet | Item Number: 891-8995/116-701

pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. A; H05Z1Z1-F 5G 1.5 mm²; 7 m; 1,50 mm²; black

https://www.wago.com/891-8995/116-701




Color: ■ black




Dimensions in mm

Cable assembly *WINSTA*® MINI with protection against mismating

The *WINSTA*® MINI cable assembly A coding supports rapid, correct installation. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to many different requirements in seconds. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. The pluggable installation connector offers protection against contact with wires or tools if they are smaller than 1 mm in accordance with protection type IP40. General mains applications for almost any domain of use can be realised with *WINSTA*® MINI pluggable installation connectors with A coding. Due to its particularly minimal dimensions, our *WINSTA*® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is specifically suitable in very restricted spaces, i.e., for connections when very little room is available. According to the European CPR, the fire class of the cables used in construction is critical for the safety of buildings, too. For houses with average safety requirements, cable assemblies with fire class E are suitable. Eliminating halogens as an additive in the production of this cable assembly significantly improves fire safety and reduces environmental contamination.

Fast, secure pluggable connections – cable assemblies from WAGO

A socket and a free end are provided. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Now you can also cut installation expenses without compromising quality and safety: with fire class E eliminates the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismating
- compact design for conductors with a cross-section up to 1.5 mm²
- suitable for any application
- custom-engineered solutions
- quick replacement of defective units during ongoing operation

## 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 | 400 V | - | - |
| Rated impulse withstand voltage | 6 kV | - | - |
| Rated current | 13 A | - | - |

### General information

| | |
|---|---|
| Note on contact resistance | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/socket |

## Connection Data

| | |
|---|---|
| Total number of potentials | 5 |
| Conductor preparation | ultrasonically tip-bonded |

### Connection 1

| | |
|---|---|
| Strip length | 9 mm / 0.35 inches |
| Pole number | 5 |
| Wire cross-section | 1.5 mm² |
| Strip length (outer insulation) | 45 mm |
| Connection type | Socket - free end |

## 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 | 7 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 - free end |
| Type of pre-assembled cable | Connecting cable |
| Cable type | H05Z1Z1-F 5G1.5 |
| Protection type | IP40 |

## 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). |


Continued on next page

## Material data

| | |
|---|---|
| Note (material data) | Information on material specifications can be found here |
| Color | black |
| Insulation material (main housing) | Polyamide (PA66) |
| Fire class per EN 50575 | $E_{ca}$ |
| Contact material | Copper or copper alloy; surface-treated |
| Contact Plating | Tin |
| Fire load | 209.939 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 | 1091.3 g |
| Copper weight of the raw cable | 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

| | |
|---|---|
| PU (SPU) | 1 pcs |
| Packaging type | unpacked |
| Country of origin | PL |
| GTIN | 4055143399722 |
| 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

| 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 Conformity<br>WAGO GmbH & Co. KG | - | - |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - |

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance
891-8995/116-701

### Documentation

**Bid Text**

| | | |
|---|---|---|
| 891-8995/116-701 | 19.02.2019 | xml<br>3.01 KB |
| 891-8995/116-701 | 01.12.2014 | doc<br>25.00 KB |

## CAD/CAE-Data

**CAE data**

EPLAN Data Portal
891-8995/116-701

WSCAD Universe
891-8995/116-701

## 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


Continued on next page

## 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