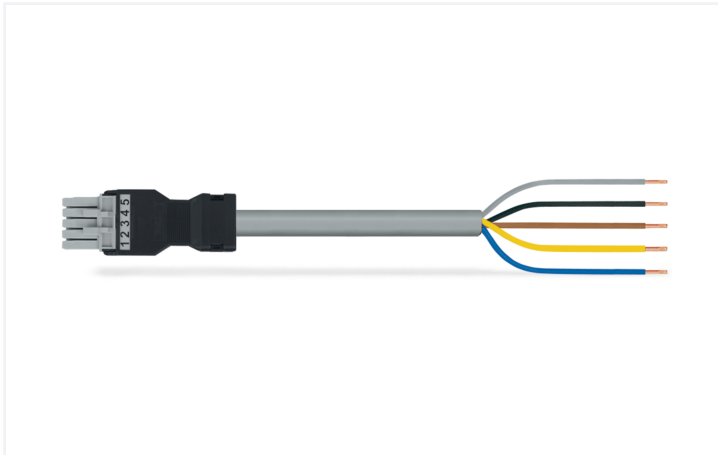


## Data Sheet | Item Number: 891-8995/105-303

pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. B; (H)  
05VV-F 5x1,0 mm<sup>2</sup>; 3 m; 1,00 mm<sup>2</sup>; gray

<https://www.wago.com/891-8995/105-303>



Color: ■ gray



Dimensions in mm

### Cable assembly WINSTA® MINI with protection type IP40

The WINSTA® MINI cable assembly B coding allows installation of solid and fine-stranded conductors. Our pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow fast, efficient, error-free installation in a large number of possible uses. 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 offers protection against contact with wires or tools if they are smaller than 1 mm in accordance with protection type IP40. Solutions like the WINSTA® MINI pluggable installation connectors with B coding are appropriate for process control, for example, for lighting or in data networks. Due to its particularly compact dimensions, our WINSTA® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is especially suitable in very tight spaces, i.e., for connections when very little room is available. Of course, the safety of buildings must always be ensured, even after the electrical installation has been performed. The required safety requirements in connection with EU CPR are met by this product through fire class E.

### Fast, secure pluggable connections – cable assemblies from WAGO

A socket and a free end are provided. WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It allows fast, secure and, above all, error-free installation of components and cables. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with strain relief hosting from WAGO.

- protection against mismatching eliminates errors
- compact design for conductors with a cross-section up to 1.5 mm<sup>2</sup>
- with B coding for use in automation of processes, such as lighting technology, for example
- custom-engineered solutions
- convenient installation and commissioning

### Notes

#### Note

Variants:

Cables with a different fire class can be found in the eShop.

Other pole markings

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

## Electrical data

| Ratings per                     | IEC/EN 60664-1       |     |     | General information |                            |
|---------------------------------|----------------------|-----|-----|---------------------|----------------------------|
|                                 | Overvoltage category | III | III | II                  | Note on contact resistance |
| Pollution degree                | 3                    | 2   | 2   |                     |                            |
| Nominal voltage                 | 400 V                | -   | -   |                     |                            |
| Rated impulse withstand voltage | 6 kV                 | -   | -   |                     |                            |
| Rated current                   | 10 A                 | -   | -   |                     |                            |

## Connection Data

|                            |                           |                                 |                    |
|----------------------------|---------------------------|---------------------------------|--------------------|
| Total number of potentials | 5                         | <b>Connection 1</b>             |                    |
| Conductor preparation      | ultrasonically tip-bonded | Strip length                    | 9 mm / 0.35 inches |
|                            |                           | Pole number                     | 5                  |
|                            |                           | Wire cross-section              | 1 mm <sup>2</sup>  |
|                            |                           | Strip length (outer insulation) | 38 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 | 3 m                    |

## Mechanical data

|   |   |
|---|---|
| Use                                     | Control technology  |
| Coding                                  | B   |
| Variable coding                         | No  |
| Marking                                 | 1 2 3 4 5   |
| Potential marking                       | 1 2 3 4 5   |
| 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                              | H05VV-F 5x1   |
| Protection type                         | IP40  |

## 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="#">Information on material specifications can be found here</a> |
| Color                              | gray   |
| 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                          | 0.299 MJ   |
| Connector color                    | gray   |
| Strain relief color                | black  |
| Sheathed cable color               | gray   |
| Printing color of sheathed cable   | black  |
| Halogen-free                       | No   |
| Silicon-free                       | Yes  |
| Sheath material                    | PVC  |
| Rubber cable                       | No   |
| Weight                             | 346.3 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     | PL            |
| GTIN                  | 4055143517508 |
| 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 |
|------------------------|-------------------------|

**Downloads**

**Environmental Product Compliance**

**Compliance Search**

Environmental Product Compliance  
891-8995/105-303



**Documentation**

**Bid Text**

|                  |            |                 |  |
|------------------|------------|-----------------|--|
| 891-8995/105-303 | 19.02.2019 | xml<br>2.99 KB  |  |
| 891-8995/105-303 | 12.03.2015 | doc<br>25.00 KB |  |

**CAD/CAE-Data**

**CAE data**

EPLAN Data Portal  
891-8995/105-303



**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