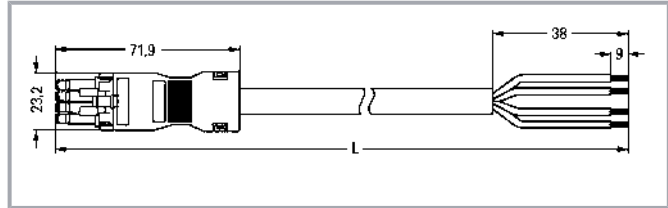


## Data sheet | Item number: 891-8994/105-303

pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. B;  
Control cable 4 x 1.0 mm<sup>2</sup>; 3 m; 1,00 mm<sup>2</sup>; gray

[www.wago.com/891-8994\\_105-303](http://www.wago.com/891-8994_105-303)



### Item description

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

The **WINSTA®** MINI cable assembly with protection against mismatching provides the foundation for assembly of fine-stranded and solid conductors. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to a huge variety of requirements in seconds. For greater protection in electrical installations, the pluggable installation connector is provided with mechanical 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. Pluggable installation connectors with B coding from the **WINSTA®** MINI line are available in grey, light grey, or pink, allowing you to distinguish different circuits, for example for pumps, lighting, or sun blinds. Customer-specific pole marking is possible as well. Thanks to its particularly compact 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 installations when very little room is available. According to the European CPR, the fire class of the cables used in construction is decisive for building safety, too. For houses with medium-level safety requirements, cable assemblies with fire class E are suitable.

#### Pluggable connections instead of screw connections – cable assemblies from WAGO

A socket and a free end are available. The **WINSTA®** Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, more reliable, and error-free. Use of this pre-assembled system reduces assembly times and errors during installation at the construction site. Choose quality and durability – the **WINSTA®** MINI pluggable installation connector with fire class E from WAGO makes the electrical installation of electrical components visibly easier.

- effective protection against mismatching
- consistent IP40 protection
- for automation controllers
- custom-engineered solutions

—  
Subject to changes. Please also observe the further product documentation!

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Germantown, WI 53022  
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- convenient installation and commissioning

## Data Notes

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

|           |   |
|-----------|---|
| Variants: | Other pole markings<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> . |
|-----------|---|

## Electrical data

|                            |  |
|----------------------------|--|
| Note on contact resistance | approx. 1 m $\Omega$ of contact resistance<br>approx. 0.25 m $\Omega$ contact transition plug/socket |
|----------------------------|--|

## IEC Approvals

|                               |  |
|-------------------------------|--|
| Ratings per                   | IEC/EN 60664-1   |
| Rated voltage (III / 3)       | 400 V  |
| Rated impulse voltage (III/3) | 6 kV   |
| Rated current                 | 10 A   |
| Legend (ratings)              | (III / 3) $\triangleq$ Overvoltage category III / Pollution degree 3 |

## Ratings per UL

|                        |   |
|------------------------|---|
| 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 5 A and voltages up to 600 V. For further information, please contact your local sales office. |
|------------------------|---|

## Connection data

|                            |                           |
|----------------------------|---------------------------|
| Total number of potentials | 4                         |
| Conductor preparation      | ultrasonically tip-bonded |

## Connection 1

|                         |                   |
|-------------------------|-------------------|
| Strip length            | 9 mm / 0.35 inch  |
| Number of poles         | 4                 |
| Sheathed cable diameter | 7.1 ... 9 mm      |
| Wire cross-section      | 1 mm <sup>2</sup> |

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|                                 |                   |
|---------------------------------|-------------------|
| Strip length (outer insulation) | 38 mm             |
| Connection type                 | Socket - Free end |

## Physical data

|              |                     |
|--------------|---------------------|
| Pin spacing  | 4.4 mm / 0.173 inch |
| Total length | 3 m                 |

## Mechanical data

|   |   |
|---|---|
| Application                             | Control technology  |
| Coding                                  | B   |
| Variable coding                         | No  |
| Marking                                 | 1 2 3 4   |
| Potential Marking                       | 1 2 3 4   |
| 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                              | Control line 4 x 1  |
| 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   |

## Material data

|                         |  |
|-------------------------|--|
| Note (material data)    | Information on material data can be found here |
| Color                   | gray   |
| Insulation material     | Polyamide (PA66)                               |
| Fire class per EN 50575 |  |

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|                                  | E <sub>ca</sub>                         |
|----------------------------------|---|
| Contact material                 | Copper or copper alloy; surface-treated |
| Fire load                        | 0.115 MJ                                |
| Connector color                  | gray                                    |
| Printing color of mating face    | black                                   |
| Strain relief color              | black                                   |
| Sheathed cable color             | gray                                    |
| Printing color of sheathed cable | black                                   |
| Halogen-free                     | No                                      |
| Sheath material                  | PVC                                     |
| Weight                           | 249.4 g                                 |
| Copper weight of the pipe        | 0.038 kg/m                              |

## Environmental requirements

|  |   |
|--|---|
| Processing temperature                   | -5 ... +40 °C   |
| Continuous operating temperature         | -35 ... +85 °C  |
| Note on continuous operating temperature | PVC cable for temperatures ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

## Commercial data

|                                     |               |
|-------------------------------------|---------------|
| PU (SPU)                            | 1 Stück       |
| Packaging type                      | unpacked      |
| Country of origin VKOrg Germany     | PL            |
| GTIN                                | 4050821295570 |
| Customs tariff number VKOrg Germany | 85444290900   |

## Required accessories

### Locking levers

|   |  |
|---|--|
| Locking system  |  |
| Item no.: 890-111<br>Locking lever; for flying leads; for tool operation; black | <a href="http://www.wago.com/890-111">www.wago.com/890-111</a> |
| Item no.: 890-101<br>Locking lever; for manual operation; black                 | <a href="http://www.wago.com/890-101">www.wago.com/890-101</a> |
| Item no.: 890-121<br>Locking lever; for manual operation; white                 | <a href="http://www.wago.com/890-121">www.wago.com/890-121</a> |
| Item no.: 890-131<br>Locking lever; for flying leads; for tool operation; white | <a href="http://www.wago.com/890-131">www.wago.com/890-131</a> |

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## Optional accessories

### Mounting

|   |  |  |
|---|--|--|
| Mounting accessories  |  |  |
|  | Item no.: 890-310<br>Mounting carrier; 2- to 5-pole; for flying leads; black | <a href="http://www.wago.com/890-310">www.wago.com/890-310</a> |
|  | Item no.: 890-311<br>Mounting carrier; 2- to 5-pole; for flying leads; white | <a href="http://www.wago.com/890-311">www.wago.com/890-311</a> |

### Cover

|   |  |  |
|---|--|--|
| Other   |  |  |
|  | Item no.: 897-2003<br>Protective cap; Type2; for sockets and plugs; PVC; red | <a href="http://www.wago.com/897-2003">www.wago.com/897-2003</a> |

## Downloads

### Documentation

#### Bid Text

|                                 |             |                |          |
|---------------------------------|-------------|----------------|----------|
| 891-8994/105-303<br>X81 - Datei | 2019 Feb 19 | xml<br>3.1 kB  | Download |
| 891-8994/105-303<br>doc - Datei | 2014 Dec 2  | doc<br>25.1 kB | Download |

## Environmental Product Compliance

### Compliance Search

|   |     |          |
|---|-----|----------|
| Environmental Product Compliance 891-8994/105-303<br>pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0 mm <sup>2</sup> ; 3 m; 1,00 mm <sup>2</sup> ; gray | URL | Download |
|---|-----|----------|

## Installation Notes

### Product family

#### WINSTA® MINI

[Show all products from the family](#)

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