

## Data sheet | Item number: 891-8993/006-405

pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. B; 4 m;  
1,50 mm<sup>2</sup>; light green

[www.wago.com/891-8993\\_006-405](http://www.wago.com/891-8993_006-405)



### Item description

#### Cable assembly **WINSTA®** MINI rated current 16 A

For power and signal transmission: The **WINSTA®** MINI cable assembly rated current 16 A. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to an enormous variety of requirements in seconds. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismatching. B coding enables the **WINSTA®** MINI pluggable installation connectors to be used for application control in the domains of automation, robotics, and mechanical engineering. Due to its particularly minimal dimensions, our **WINSTA®** MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is very 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 average safety requirements, cable assemblies with fire class E are suitable.

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

The cable assembly is provided with a socket and a plug. The **WINSTA®** Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Choose quality and durability – the **WINSTA®** MINI pluggable installation connector with protection against mismatching from WAGO makes the installation of electrical components substantially easier.

- pluggable installation connectors with protection against mismatching
- compact design for conductors with a cross-section up to 1.5 mm<sup>2</sup>
- with B coding for use in process automation, such as lighting technology, among other examples
- flexible installation to save space
- convenient installation and commissioning

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

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

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## Data Notes

Note

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

Variants:

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

## Electrical data

Note on contact resistance

approx. 1 m $\Omega$  of contact resistance  
approx. 0.25 m $\Omega$  contact transition plug/socket

## IEC Approvals

|                               |  |
|-------------------------------|--|
| Ratings per                   | IEC/EN 60664-1   |
| Rated voltage (III / 3)       | 250 V  |
| Rated impulse voltage (III/3) | 4 kV   |
| Rated current                 | 16 A   |
| Note (rated current)          | 13 A for 3-pole load   |
| 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 | 3                         |
| Conductor preparation      | ultrasonically tip-bonded |

## Connection 1

|                         |                     |
|-------------------------|---------------------|
| Number of poles         | 3                   |
| Sheathed cable diameter | 7.4 ... 9.4 mm      |
| Wire cross-section      | 1.5 mm <sup>2</sup> |
| Connection type         | Socket - Plug       |

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## Physical data

|              |                     |
|--------------|---------------------|
| Pin spacing  | 4.4 mm / 0.173 inch |
| Total length | 4 m                 |

## Mechanical data

|   |   |
|---|---|
| Application                             | Control technology  |
| Coding                                  | B   |
| Variable coding                         | No  |
| Marking                                 | 1 2 3   |
| Potential Marking                       | 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                              | Control line 3 x 1.5  |
| 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   |

## Material data

|                         |  |
|-------------------------|--|
| Note (material data)    | Information on material data can be found here |
| Color                   | light green                                    |
| Insulation material     | Polyamide (PA66)                               |
| Fire class per EN 50575 | E <sub>ca</sub>                                |
| Contact material        | Copper or copper alloy; surface-treated        |
| Fire load               | 0.111 MJ                                       |

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|                                  |             |
|----------------------------------|-------------|
| Connector color                  | light green |
| 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                           | 408.2 g     |
| Copper weight of the pipe        | 0.043 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                                | 4055143514507 |
| 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> |

## Optional accessories

### Mounting

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

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## Mounting accessories

## Item no.: 890-310

Mounting carrier; 2- to 5-pole; for flying leads; black

[www.wago.com/890-310](http://www.wago.com/890-310)

## Item no.: 890-311

Mounting carrier; 2- to 5-pole; for flying leads; white

[www.wago.com/890-311](http://www.wago.com/890-311)

## Cover

## Other



## Item no.: 897-2001

Protective cap; Type1; for sockets and plugs; PVC; red

[www.wago.com/897-2001](http://www.wago.com/897-2001)

## Downloads

## Documentation

## Bid Text

| Item no.         | Date        | File name   | Size   | Download                 |
|------------------|-------------|-------------|--------|--------------------------|
| 891-8993/006-405 | 2019 Feb 19 | X81 - Datei | 3.0 kB | <a href="#">Download</a> |

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| 891-8993/006-405 | 2015 Jun 2 | doc - Datei | 25.1 kB | <a href="#">Download</a> |

## Environmental Product Compliance

## Compliance Search

| Item no.  | URL                 | Download                 |
|---|---------------------|--------------------------|
| Environmental Product Compliance 891-8993/006-405<br>pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. B; 4 m; 1,50 mm <sup>2</sup> ; light green | <a href="#">URL</a> | <a href="#">Download</a> |

## Installation Notes

## Product family

## WINSTA® MINI

[Show all products from the family](#)

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