



## Item description

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

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA® MINI* cable assembly with protection against mismating. The 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 color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. The *WINSTA® MINI* pluggable installation connector with A coding in white or black is normally used for general mains applications in power distribution. *WINSTA® MINI* follows the trend towards miniaturisation. Our smallest pluggable connection system is especially suitable for lights, for instance, since as a result of LED technology; due to complex systems, these offer much less space for the connection technology. According to the European CPR, the fire class of the cables used in construction is essential for the safety of buildings, too. For houses with medium-level safety requirements, cable assemblies with fire class E are suitable.

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

The cable is pre-assembled with a socket and a plug. *WINSTA®* is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It ensures error-free installation of cables and components, quickly and reliably. Choose durability and quality – the *WINSTA® MINI* pluggable installation connector with fire class E from WAGO makes the electrical installation of electrical components noticeably easier.

- protection against mismating eliminates errors
- easy tool-free operation, a wide range of coding options
- with A coding for a large number of uses
- ready to install and use immediately
- quick replacement of defective units during ongoing operation

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

## Data Notes

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

## Electrical data

|                            |  |
|----------------------------|--|
| Note on contact resistance | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ 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  |
| Legend (ratings)              | (III / 3) ▲ 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                         |
| PE function                | Preceding PE contact      |
| 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       |

## Physical data

|             |                     |
|-------------|---------------------|
| Pin spacing | 4.4 mm / 0.173 inch |
|-------------|---------------------|

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

|              |     |
|--------------|-----|
| Total length | 8 m |
|--------------|-----|

## Mechanical data

|   |   |
|---|---|
| Application                             | General mains applications                                    |
| Coding                                  | A   |
| Variable coding                         | No  |
| Marking                                 | L+N   |
| Potential Marking                       | L+N   |
| 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                              | H05VV-F 3G1.5   |
| 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                         | black  |
| Insulation material           | Polyamide (PA66)                               |
| Fire class per EN 50575       | E <sub>ca</sub>                                |
| Contact material              | Copper or copper alloy; surface-treated        |
| Fire load                     | 239.658 MJ                                     |
| Connector color               | black  |
| Printing color of mating face | white  |

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

|                                  |            |
|----------------------------------|------------|
| Strain relief color              | black      |
| Sheathed cable color             | black      |
| Printing color of sheathed cable | white      |
| Halogen-free                     | No         |
| Sheath material                  | PVC        |
| Weight                           | 799.8 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                                | 4055143396158 |
| Customs tariff number VKOrg Germany | 85444290900   |

## Approvals / Certificates

### Country specific Approvals

| Logo | Approval                              | Additional Approval Text | Certificate name |
|------|---------------------------------------|--------------------------|------------------|
|      | CCA<br>DEKRA Certification B.V.       | EN 61535                 | NTR NL-7823      |
|      | KEMA/KEUR<br>DEKRA Certification B.V. | EN 61535                 | 71-112995        |

## Required accessories

### Locking levers

Locking system

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

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

#### Mounting accessories

|   |  |
|---|--|
| <b>Item no.: 890-310</b><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> |
| <b>Item no.: 890-311</b><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



|   |  |
|---|--|
| <b>Item no.: 897-2001</b><br>Protective cap; Type1; for sockets and plugs; PVC; red | <a href="http://www.wago.com/897-2001">www.wago.com/897-2001</a> |
|---|--|

## Downloads

### Documentation

#### Bid Text

|                                 |             |                |                          |
|---------------------------------|-------------|----------------|--------------------------|
| 891-8993/006-801<br>X81 - Datei | 2019 Feb 19 | xml<br>3.0 kB  | <a href="#">Download</a> |
| 891-8993/006-801<br>doc - Datei | 2014 Nov 26 | doc<br>23.6 kB | <a href="#">Download</a> |

## CAD files

### CAE data

|                                 |                     |                          |
|---------------------------------|---------------------|--------------------------|
| WSCAD Universe 891-8993/006-801 | <a href="#">URL</a> | <a href="#">Download</a> |
| WSCAD Universe 891-8993/006-801 | <a href="#">URL</a> | <a href="#">Download</a> |

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 891-8993/006-801

URL

Download

pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05VV-F 3G  
1.5 mm<sup>2</sup>; 8 m; 1,50 mm<sup>2</sup>; black

## Installation Notes

## Product family

WINSTA® MINI

[Show all products from the family](#)

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

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Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.