

## Data sheet | Item number: 891-8993/016-702

pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A;  
H05Z1Z1-F 3G 1.5 mm<sup>2</sup>; 7 m; 1,50 mm<sup>2</sup>; white

[www.wago.com/891-8993\\_016-702](http://www.wago.com/891-8993_016-702)



### Item description

#### Cable assembly *WINSTA*® MINI with protection type IP20

The *WINSTA*® MINI cable assembly rated current 16 A supports rapid, correct installation. 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. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. Thanks to the color coding and mechanical A coding of *WINSTA*® MINI pluggable installation connectors, you can clearly distinguish different circuits. Thanks 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. Building safety must be ensured at all times, even after the electrical installation stage. The mandatory safety requirements in connection with EU CPR are met by this product through fire class E. The cable assembly is halogen-free. This eliminates the addition of environmental pollutants during production. It also achieves a higher fire class, since halogen-free materials do not easily ignite.

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

The cable assembly is equipped with a socket and a plug. The *WINSTA*® Pluggable Connection System is perfectly tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore faster, more reliable, and error-free. Use of this pre-assembled system decreases assembly times and installation errors at the construction site. Choose quality and durability – the *WINSTA*® MINI pluggable installation connector with protection type IP20 from WAGO makes the electrical installation of electrical components significantly easier.

- effective protection against mismating
- compact design for conductors with a cross-section up to 1.5 mm<sup>2</sup>
- with A coding for a large number of applications
- exact dimensions
- quick replacement of defective units during ongoing operation

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  
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## 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 |
|-------------|---------------------|

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|              |     |
|--------------|-----|
| Total length | 7 m |
|--------------|-----|

## Mechanical data

|   |   |
|---|---|
| Application                             | General mains applications                                    |
| Coding                                  | A   |
| Variable coding                         | No  |
| Marking                                 | L $\perp$ N   |
| Potential Marking                       | L $\perp$ 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                              | H05Z1Z1-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                         | white  |
| Insulation material           | Polyamide (PA66)                               |
| Fire class per EN 50575       | E <sub>ca</sub>                                |
| Contact material              | Copper or copper alloy; surface-treated        |
| Fire load                     | 209.603 MJ                                     |
| Connector color               | white  |
| Printing color of mating face | black  |

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|                                  |              |
|----------------------------------|--------------|
| Strain relief color              | white        |
| Sheathed cable color             | white        |
| Printing color of sheathed cable | black        |
| Halogen-free                     | Yes          |
| Sheath material                  | Halogen-free |
| Weight                           | 695.7 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 $\leq 70$ °C (including halogen-free)<br>Insulating parts for temperatures $\leq 105$ °C |

## Commercial data

|                                     |               |
|-------------------------------------|---------------|
| PU (SPU)                            | 1 Stück       |
| Packaging type                      | unpacked      |
| Country of origin VKOrg Germany     | PL            |
| GTIN                                | 4055143397759 |
| 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 |
|----------------|

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**Item no.: 890-111**

Locking lever; for flying leads; for tool operation; black

[www.wago.com/890-111](http://www.wago.com/890-111)**Item no.: 890-101**

Locking lever; for manual operation; black

[www.wago.com/890-101](http://www.wago.com/890-101)**Item no.: 890-121**

Locking lever; for manual operation; white

[www.wago.com/890-121](http://www.wago.com/890-121)**Item no.: 890-131**

Locking lever; for flying leads; for tool operation; white

[www.wago.com/890-131](http://www.wago.com/890-131)**Optional accessories****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)**Mounting**

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)**Downloads****Documentation****Bid Text**

|                                 |             |                |          |
|---------------------------------|-------------|----------------|----------|
| 891-8993/016-702<br>X81 - Datei | 2019 Feb 19 | xml<br>3.0 kB  | Download |
| 891-8993/016-702<br>doc - Datei | 2014 Nov 26 | doc<br>24.6 kB | Download |

**CAD files****CAE data**

|                                 |     |          |
|---------------------------------|-----|----------|
| WSCAD Universe 891-8993/016-702 | URL | Download |
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## Environmental Product Compliance

### Compliance Search

| Environmental Product Compliance 891-8993/016-702  | URL | Download |
|--|-----|----------|
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## Installation Notes

### Product family

#### WINSTA® MINI

[Show all products from the family](#)

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