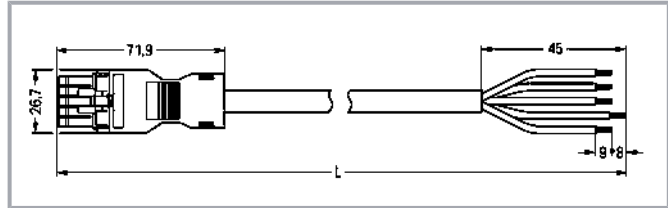


## Data sheet | Item number: 891-8995/116-202

pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. A;  
H05Z1Z1-F 5G 1.5 mm<sup>2</sup>; 2 m; 1,50 mm<sup>2</sup>; white

[www.wago.com/891-8995\\_116-202](http://www.wago.com/891-8995_116-202)



### Item description

#### Cable assembly **WINSTA®** MINI 5-pole

The **WINSTA®** MINI cable assembly rated current 13 A supports rapid, correct installation. The pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow resource-efficient, error-free installation in a large number of possible uses. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. The pluggable installation connector is protected in accordance with protection type IP40. Users' fingers and tools will never come into contact with live elements. The **WINSTA®** MINI pluggable installation connector with A coding in black or white is normally used for general mains applications in power distribution. Particularly if only limited space is available, our smallest pluggable connection system, **WINSTA®** MINI, conveniently displays its advantages. It saves space, and, thanks to Push-in CAGE CLAMP® spring pressure connection technology, it additionally can be installed quickly, since the connection is low-maintenance and requires no screw connections. 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. Not using halogen additives in the production of this cable assembly significantly improves fire safety and minimises environmental contamination.

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

The cable is pre-assembled with a socket and a free end. The **WINSTA®** Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, even more reliable, and error-free. Use of this pre-assembled system reduces assembly times and errors during installation at the construction site. Choose durability and quality – the **WINSTA®** MINI pluggable installation connector with protection against mismatching from WAGO makes the installation of electrical components significantly easier.

- effective protection against mismatching
- compact design for conductors with a cross-section up to 1.5 mm<sup>2</sup>
- with A coding for a great number of applications

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

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- flexible installation to save space
- quick replacement of defective units during ongoing operation

## 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)       | 400 V                                                     |
| Rated impulse voltage (III/3) | 6 kV                                                      |
| Rated current                 | 13 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 | 5                         |
| Conductor preparation      | ultrasonically tip-bonded |

## Connection 1

|                                 |                     |
|---------------------------------|---------------------|
| Strip length                    | 9 mm / 0.35 inch    |
| Number of poles                 | 5                   |
| Sheathed cable diameter         | 9.3 ... 11.6 mm     |
| Wire cross-section              | 1.5 mm <sup>2</sup> |
| Strip length (outer insulation) | 45 mm               |

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|                 |                   |
|-----------------|-------------------|
| Connection type | Socket - Free end |
|-----------------|-------------------|

## Physical data

|              |                     |
|--------------|---------------------|
| Pin spacing  | 4.4 mm / 0.173 inch |
| Total length | 2 m                 |

## Mechanical data

|                                         |                                                               |
|-----------------------------------------|---------------------------------------------------------------|
| Application                             | General mains applications                                    |
| Coding                                  | A                                                             |
| Variable coding                         | No                                                            |
| Marking                                 | N $\perp$ 1 2 3                                               |
| Potential Marking                       | N $\perp$ 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 - free end                                             |
| Type of pre-assembled cable             | Connecting cable                                              |
| Cable type                              | H05Z1Z1-F 5G1.5                                               |
| 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                   | white                                          |
| Insulation material     | Polyamide (PA66)                               |
| Fire class per EN 50575 | E <sub>ca</sub>                                |

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|                                  |                                         |
|----------------------------------|-----------------------------------------|
| Contact material                 | Copper or copper alloy; surface-treated |
| Fire load                        | 59.684 MJ                               |
| Connector color                  | white                                   |
| Printing color of mating face    | black                                   |
| Strain relief color              | white                                   |
| Sheathed cable color             | white                                   |
| Printing color of sheathed cable | black                                   |
| Halogen-free                     | Yes                                     |
| Sheath material                  | Halogen-free                            |
| Weight                           | 318.7 g                                 |
| Copper weight of the pipe        | 0.072 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                                | 4055143400176 |
| 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        |

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## Required accessories

### Locking levers

|                                                            |  |                                                                |
|------------------------------------------------------------|--|----------------------------------------------------------------|
| Locking system                                             |  |                                                                |
| <b>Item no.: 890-111</b>                                   |  |                                                                |
| 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>                                   |  |                                                                |
| 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>                                   |  |                                                                |
| 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>                                   |  |                                                                |
| 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

### Cover

|       |  |  |
|-------|--|--|
| Other |  |  |
|-------|--|--|


**Item no.: 897-2003**

Protective cap; Type2; for sockets and plugs; PVC; red

[www.wago.com/897-2003](http://www.wago.com/897-2003)

### Mounting

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

## Downloads

### Documentation

#### Bid Text

|                  |             |         |          |
|------------------|-------------|---------|----------|
| 891-8995/116-202 | 2019 Feb 19 | xml     | Download |
| X81 - Datei      |             | 3.1 kB  |          |
| 891-8995/116-202 | 2014 Dec 1  | doc     | Download |
| doc - Datei      |             | 25.6 kB |          |

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CAD files

CAE data

|                                 |     |          |
|---------------------------------|-----|----------|
| WSCAD Universe 891-8995/116-202 | URL | Download |
| WSCAD Universe 891-8995/116-202 | URL | Download |

Environmental Product Compliance

Compliance Search

|                                                                                                                    |     |          |
|--------------------------------------------------------------------------------------------------------------------|-----|----------|
| Environmental Product Compliance 891-8995/116-202                                                                  | URL | Download |
| pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. A; H05Z1Z1-F 5G 1.5 mm²; 2 m; 1,50 mm²; white |     |          |

Installation Notes

Product family

WINSTA® MINI  
[Show all products from the family](#)

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