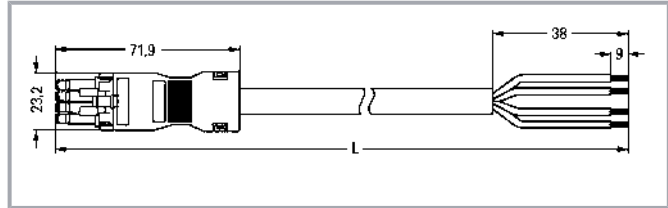


## Data sheet | Item number: 891-8994/105-605

pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. B;  
Control cable 4 x 1.0 mm<sup>2</sup>; 6 m; 1,00 mm<sup>2</sup>; light green

[www.wago.com/891-8994\\_105-605](http://www.wago.com/891-8994_105-605)



### Item description

#### Cable assembly **WINSTA®** MINI with protection against mismating

The **WINSTA®** MINI cable assembly with protection against mismating is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to many different requirements in next to no time. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. 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. Solutions like the **WINSTA®** MINI pluggable installation connectors with B coding are appropriate for applications related to process control, such as for lighting or within data networks. Thanks to its particularly minimal 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. 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.

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

A socket and a free end are provided. The **WINSTA®** Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Choose durability and quality – the **WINSTA®** MINI pluggable installation connector with protection type IP40 from WAGO makes the electrical installation of electrical components substantially easier.

- effective protection against mismating
- easy tool-free operation, a wide range of coding options
- with B coding for controllers such as sun blinds and lighting fixtures
- ready for immediate use
- convenient installation and commissioning

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

WAGO Corporation  
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## 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 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                 | 10 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 | 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> |
| Strip length (outer insulation) | 38 mm             |

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

## Physical data

|              |                     |
|--------------|---------------------|
| Pin spacing  | 4.4 mm / 0.173 inch |
| Total length | 6 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                   | light green                                    |
| 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                        | 0.039 MJ                                |
| 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                           | 489.4 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                                | 4055143516518 |
| 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> |

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

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## Optional accessories

### 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> |

### Cover

|                                                                                   |  |  |                                                                  |
|-----------------------------------------------------------------------------------|--|--|------------------------------------------------------------------|
| Other                                                                             |  |  |                                                                  |
|                                                                                   |  |  |                                                                  |
|  |  |  |                                                                  |
| <b>Item no.: 897-2003</b>                                                         |  |  |                                                                  |
| 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

|                  |             |         |          |
|------------------|-------------|---------|----------|
| 891-8994/105-605 | 2019 Feb 19 | xml     | Download |
| X81 - Datei      |             | 3.1 kB  |          |
| 891-8994/105-605 | 2014 Dec 2  | doc     | Download |
| doc - Datei      |             | 25.6 kB |          |

## Environmental Product Compliance

### Compliance Search

|                                                                                                                                                         |     |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|
| Environmental Product Compliance 891-8994/105-605                                                                                                       | URL | Download |
| pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0 mm <sup>2</sup> ; 6 m; 1,00 mm <sup>2</sup> ; light green |     |          |

## Installation Notes

### Product family

#### WINSTA® MINI

[Show all products from the family](#)

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