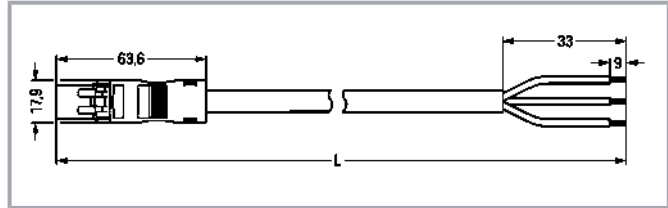


Data sheet | Item number: 891-8993/205-103

pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. B; 1 m; 1,00 mm²; gray

www.wago.com/891-8993_205-103



Item description

Cable assembly **WINSTA®** MINI 3-pole

The **WINSTA®** MINI cable assembly rated current 10 A is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. WAGO pluggable installation connectors are used when criteria repeat or are planned on a specified pattern, for example for installing grid lighting or flush-mount lighting. For greater protection in electrical installations, the pluggable installation connector is provided with mechanical protection against mismatching. Solutions like the **WINSTA®** MINI pluggable installation connectors with B coding are suitable for applications involving process control, such as for lighting or within data networks. Due to its particularly small 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. This product meets all the mandatory safety requirements of fire class E; therefore it can be used in domains where fire safety is relevant.

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

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

- protection against mismatching eliminates errors
- consistent IP40 protection
- with B coding for controllers, for example sun blinds and lighting fixtures
- ready to install and use immediately
- 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
Email: info.us@wago.com | Web: www.wago.us

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



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 mΩ of contact resistance 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 | 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 | 3 |
| Conductor preparation | ultrasonically tip-bonded |

Connection 1

| | |
|---------------------------------|-------------------|
| Strip length | 9 mm / 0.35 inch |
| Number of poles | 3 |
| Sheathed cable diameter | 6.3 ... 8 mm |
| Wire cross-section | 1 mm ² |
| Strip length (outer insulation) | 33 mm |
| Connection type | Plug - Free end |

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Physical data

| | |
|--------------|---------------------|
| Pin spacing | 4.4 mm / 0.173 inch |
| Total length | 1 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 | Plug - free end |
| Type of pre-assembled cable | Connecting cable |
| Cable type | Control line 3 x 1 |
| 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: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered 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 | gray |
| Insulation material | Polyamide (PA66) |
| Fire class per EN 50575 | E _{ca} |
| Contact material | Copper or copper alloy; surface-treated |
| Fire load | 0.088 MJ |

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

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| | |
|----------------------------------|------------|
| Connector color | gray |
| 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 | 79.3 g |
| Copper weight of the pipe | 0.029 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) Insulating parts for temperatures ≤ 105 °C |

Commercial data

| | |
|-------------------------------------|---------------|
| PU (SPU) | 1 Stück |
| Packaging type | unpacked |
| Country of origin VKOrg Germany | PL |
| GTIN | 4050821517610 |
| Customs tariff number VKOrg Germany | 85444290900 |

Counterpart

| | |
|--|--|
| Item no.890-1661 h-distribution connector; 3-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 2 locking levers; gray | www.wago.com/890-1661 |
| Item no.890-1761 h-distribution connector; 3-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; gray | www.wago.com/890-1761 |
| Item no.890-743 WINSTA® through-panel socket (female); MINI; snap-in through-panel; 1/2/3 marking; 3-pole; gray | www.wago.com/890-743 |
| Item no.890-243 Socket; 3-pole; Cod. B; 1,50 mm ² ; gray | www.wago.com/890-243 |
| Item no.890-843 Socket for PCBs; straight; 3-pole; Cod. B; gray | www.wago.com/890-843 |
| Item no.890-843/011-000 Socket for PCBs; angled; 3-pole; Cod. B; gray | www.wago.com/890-843/011-000 |

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

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Required accessories

Locking levers

| | | |
|--|--|--|
| Locking system | | |
| Item no.: 890-111 | | www.wago.com/890-111 |
| Locking lever; for flying leads; for tool operation; black | | |
| Item no.: 890-101 | | www.wago.com/890-101 |
| Locking lever; for manual operation; black | | |
| Item no.: 890-121 | | www.wago.com/890-121 |
| Locking lever; for manual operation; white | | |
| Item no.: 890-131 | | www.wago.com/890-131 |
| Locking lever; for flying leads; for tool operation; white | | |

Optional accessories

Cover

| | | |
|--|---------------------------|--|
| Other | | |
|  | Item no.: 897-2001 | www.wago.com/897-2001 |
| Protective cap; Type1; for sockets and plugs; PVC; red | | |

Mounting

| | | |
|---|--|--|
| Mounting accessories | | |
| Item no.: 890-310 | | www.wago.com/890-310 |
| Mounting carrier; 2- to 5-pole; for flying leads; black | | |
| Item no.: 890-311 | | www.wago.com/890-311 |
| Mounting carrier; 2- to 5-pole; for flying leads; white | | |

Downloads

Documentation

Bid Text

| | | | |
|------------------|-------------|---------|----------|
| 891-8993/205-103 | 2019 Feb 19 | xml | Download |
| X81 - Datei | | 3.1 kB | |
| 891-8993/205-103 | 2014 Dec 2 | doc | Download |
| doc - Datei | | 25.6 kB | |

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CAD files

CAE data

| | | |
|---------------------------------|-----|----------|
| WSCAD Universe 891-8993/205-103 | URL | Download |
| WSCAD Universe 891-8993/205-103 | URL | Download |

Environmental Product Compliance

Compliance Search

| | | |
|--|-----|----------|
| Environmental Product Compliance 891-8993/205-103 pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. B; 1 m; 1,00 mm²; gray | URL | Download |
|--|-----|----------|

Installation Notes

Product family

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

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