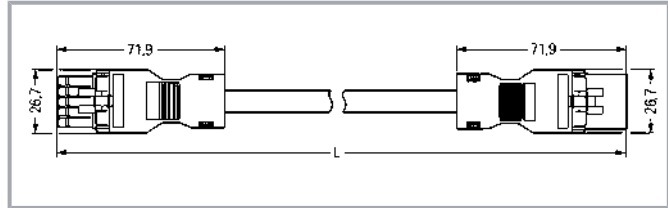


Data sheet | Item number: 891-8995/005-103

pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. B; 1 m;
1,00 mm²; gray

www.wago.com/891-8995_005-103



Item description

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

The **WINSTA®** MINI cable assembly B coding supports rapid, correct installation. The pluggable installation connectors with spring pressure connection technology work completely without screw connections. They allow flexible, error-free installation in numerous applications. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. Solutions like the **WINSTA®** MINI pluggable installation connectors with B coding are suitable for process control, for example, for lighting or within data networks. **WINSTA®** MINI satisfies the demand for miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for example, since as a result of LED technology; due to complex systems, these offer less and less space for the connection technology. According to the European CPR, the fire class of the cables used for construction is critical for the safety of buildings, too. For houses with average safety requirements, cable assemblies with fire class E are suitable.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable is pre-assembled with a socket and a plug. **WINSTA®** is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with **WINSTA®** MINI pluggable installation connectors with protection type IP20 from WAGO.

- protection against mismating eliminates errors
- consistent IP40 protection
- with B coding for controllers such as lighting fixtures and sun blinds
- custom-engineered solutions
- rapid, structured electrical installation

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) | 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 | 5 |
| Conductor preparation | ultrasonically tip-bonded |

Connection 1

| | |
|-------------------------|-------------------|
| Number of poles | 5 |
| Sheathed cable diameter | 7.8 ... 9.3 mm |
| Wire cross-section | 1 mm ² |
| Connection type | Socket - Plug |

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

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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 4 5 |
| Potential Marking | 1 2 3 4 5 |
| 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 | Control line 5 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 |

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



| | |
|----------------------------------|------------|
| Fire load | 0.606 MJ |
| 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 | 132.2 g |
| Copper weight of the pipe | 0.048 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 | 4055143516716 |
| Customs tariff number VKOrg Germany | 85444290900 |

Counterpart

| | |
|---|--|
| Item no.890-245 Socket; 5-pole; Cod. B; 1,50 mm ² ; gray | www.wago.com/890-245 |
| Item no.890-255 Plug; 5-pole; 1,50 mm ² ; gray | www.wago.com/890-255 |
| Item no.890-755 WINSTA® through-panel plug (male); MINI; snap-in through-panel; 1/2/3/4/5 marking; 5-pole; gray | www.wago.com/890-755 |
| Item no.890-745 Snap-in socket; 5-pole; Cod. B; 1,50 mm ² ; gray | www.wago.com/890-745 |
| Item no.890-845 Socket for PCBs; straight; 5-pole; Cod. B; gray | www.wago.com/890-845 |
| Item no.890-845/011-000 Socket for PCBs; angled; 5-pole; Cod. B; gray | www.wago.com/890-845/011-000 |
| Item no.890-855 Plug for PCBs; straight; 5-pole; Cod. B; gray | www.wago.com/890-855 |
| Item no.890-855/011-000 | |

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

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Plug for PCBs; angled; 5-pole; Cod. B; gray

www.wago.com/890-855/011-000


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.: 897-2003 | www.wago.com/897-2003 |
| Protective cap; Type2; 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

| | | | |
|------------------|-------------|---------|----------|
| 891-8995/005-103 | 2019 Feb 19 | xml | Download |
| X81 - Datei | | 3.0 kB | |
| 891-8995/005-103 | 2015 Jun 2 | doc | Download |
| doc - Datei | | 24.1 kB | |

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Environmental Product Compliance

Compliance Search

| Environmental Product Compliance 891-8995/005-103 | URL | Download |
|--|-----|----------|
| pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. B; 1 m; 1,00 mm²; gray | | |

Installation Notes

Product family

WINSTA® MINI

[Show all products from the family](#)

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