

Data sheet | Item number: 891-8993/005-103

pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. B; 1 m;
1,00 mm²; gray

www.wago.com/891-8993_005-103



Item description

Cable assembly *WINSTA*® MINI B coding

The *WINSTA*® MINI cable assembly with protection type IP20 supports fast, reliable installation. WAGO pluggable installation connectors are useful when requirements repeat or are planned on a specific pattern, for example for installing grid lighting or flush-mount lighting. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. B coding enables the *WINSTA*® MINI pluggable installation connectors to be used for application control in the domains of automation, robotics, and mechanical engineering. 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 can be performed without screw connections. According to the European CPR, the fire class of the cables used for construction is decisive for the safety of buildings as well. For buildings with average safety requirements, cable assemblies with fire class E are suitable.

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

A socket and a plug are available. *WINSTA*® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with *WINSTA*® MINI pluggable installation connectors with strain relief hosting from WAGO.

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

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Data Notes

Note	Cables with a different fire class can be found in the eShop.
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Variants:	Other pole markings Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/ .
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Electrical data

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket
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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.
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Connection data

Total number of potentials	3
Conductor preparation	ultrasonically tip-bonded

Connection 1

Number of poles	3
Sheathed cable diameter	6.3 ... 8 mm
Wire cross-section	1 mm ²
Connection type	Socket - Plug

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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	Socket - Plug
Type of pre-assembled cable	Interconnecting 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	0.168 MJ

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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	85.8 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	4050821622581
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.890-243 Socket; 3-pole; Cod. B; 1,50 mm ² ; gray	www.wago.com/890-243
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.890-1761 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.890-253 Plug; 3-pole; 1,50 mm ² ; gray	www.wago.com/890-253
Item no.890-753 WINSTA® through-panel plug (male); MINI; snap-in through-panel; 1/2/3 marking; 3-pole; gray	www.wago.com/890-753
Item no.890-843 Socket for PCBs; straight; 3-pole; Cod. B; gray	www.wago.com/890-843
Item no.890-843/011-000	www.wago.com/890-843

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Socket for PCBs; angled; 3-pole; Cod. B; gray	/011-000
Item no.890-853 Plug for PCBs; straight; 3-pole; Cod. B; gray	www.wago.com/890-853
Item no.890-853/011-000 Plug for PCBs; angled; 3-pole; Cod. B; gray	www.wago.com/890-853/011-000
Item no.890-883/011-000 Socket for PCBs; angled; 3-pole; Cod. B; pink	www.wago.com/890-883/011-000

Required accessories

Locking levers


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

Optional accessories

Mounting

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

Cover

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

Downloads

Documentation

Bid Text

891-8993/005-103	2019 Feb 19	xml	Download
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CAD files

CAE data

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8993/005-103	URL	Download
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Installation Notes

Product family

WINSTA® MINI

[Show all products from the family](#)

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