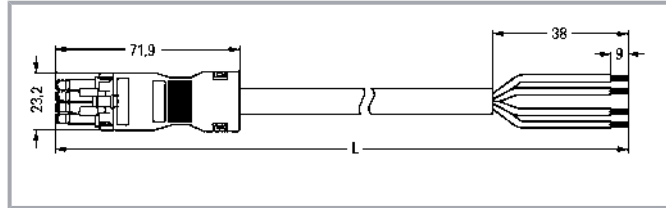# Data sheet | Item number: 891-8994/105-203

pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. B;
Control cable 4 x 1.0 mm²; 2 m; 1,00 mm²; gray

www.wago.com/891-8994_105-203

Item description

Cable assembly *WINSTA*® MINI with strain relief

The *WINSTA*® MINI cable assembly rated current 10 A supports rapid, correct installation. 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 seconds. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. The pluggable installation connector is protected against ingress by solid granular objects with a diameter of less 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. Especially if only limited space is available, our smallest pluggable connection system, *WINSTA*® MINI, conveniently displays its advantageous properties. It is very compact, and, with Push-in CAGE CLAMP® spring pressure connection technology, it additionally can be installed quickly, since the installation is low-maintenance and can be performed without screw connections. According to the European CPR, the fire class of the cables used in construction is decisive for the safety of buildings as well. For houses with average safety requirements, cable assemblies with fire class E are suitable.

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

The cable is pre-assembled with a socket and a free end. 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. Choose durability and quality – the *WINSTA*® MINI pluggable installation connector with protection type IP40 from WAGO makes the electrical installation of electrical components visibly easier.

- protection against mismating eliminates errors
- compact design for conductors with a cross-section up to 1.5 mm²
- with B coding for controllers such as lighting fixtures and sun blinds
- custom-engineered solutions

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

- quick replacement of defective units during ongoing operation

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	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 mm²

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

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Strip length (outer insulation)	38 mm
Connection type	Socket - Free end

Physical data

Pin spacing	4.4 mm / 0.173 inch
Total length	2 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: 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	

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

	E_{ca}
Contact material	Copper or copper alloy; surface-treated
Fire load	0.115 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	169.4 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)
	Insulating parts for temperatures ≤ 105 °C

Commercial data

PU (SPU)	1 Stück
Packaging type	unpacked
Country of origin VKOrg Germany	PL
GTIN	4050821295563
Customs tariff number VKOrg Germany	85444290900

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

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

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.: 897-2003	
	Protective cap; Type2; for sockets and plugs; PVC; red	www.wago.com/897-2003

Downloads
Documentation

Bid Text

891-8994/105-203	2019 Feb 19	xml	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8994/105-203	URL	Download
pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0 mm²; 2 m; 1,00 mm²; gray		

Installation Notes

Product family

WINSTA® MINI
Show all products from the family

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