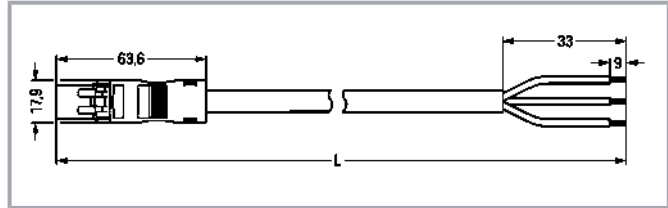# Data sheet | Item number: 891-8993/205-505

pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. B; 5 m; 1,00 mm²; light green

www.wago.com/891-8993_205-505

Item description

Cable assembly *WINSTA*® MINI with protection type IP20

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA*® MINI cable assembly 3-pole. 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 no time flat. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. B coding enables the *WINSTA*® MINI pluggable installation connectors to be used for application control in automation, mechanical engineering and robotics. 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 connections when very little room is available. According to the European CPR, the fire class of the cables used for construction is essential for the safety of buildings, too. For houses with medium-level 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 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 therefore faster, even more reliable, and error-free. Use of this pre-assembled system decreases assembly times and installation errors at the construction site. Choose durability and quality – the *WINSTA*® MINI pluggable installation connector with strain relief hosting from WAGO makes the installation of electrical components significantly easier.

- ◾ pluggable installation connectors with protection against mismating
- ◾ consistent IP40 protection
- ◾ with B coding for use in process automation, such as lighting technology
- ◾ custom-engineered solutions
- ◾ quick replacement of defective units during ongoing operation

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

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	16 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 mm²
Strip length (outer insulation)	33 mm
Connection type	Plug - Free end

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

Physical data

Pin spacing	4.4 mm / 0.173 inch
Total length	5 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	light green
Insulation material	Polyamide (PA66)
Fire class per EN 50575	E_{ca}
Contact material	Copper or copper alloy; surface-treated
Fire load	0.087 MJ

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

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	371.2 g
Copper weight of the pipe	0.029 kg/m

Environmental requirements

Processing temperature	-5 … +40 ℃
Continuous operating temperature	-35 … +85 ℃
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	4050821675693
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

Optional accessories

Cover

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

Other

Item no.: 897-2001
Protective cap; Type1; for sockets and plugs; PVC; red

www.wago.com/897-2001

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

Downloads

Documentation

Bid Text

891-8993/205-505 X81 - Datei	2019 Feb 19	xml 3.1 kB	Download
891-8993/205-505 doc - Datei	2014 Dec 2	doc 25.6 kB	Download

CAD files

CAE data

WSCAD Universe 891-8993/205-505	URL	Download
WSCAD Universe 891-8993/205-505	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8993/205-505 pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. B; 5 m; 1,00 mm²; light green	URL	Download

Installation Notes

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

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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.

Product family

WINSTA® MINI

Show all products from the family

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