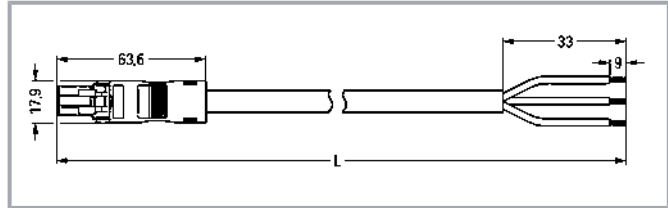


## Data sheet | Item number: 891-8993/105-505

pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. B;  
5 m; 1,00 mm<sup>2</sup>; light green

[www.wago.com/891-8993\\_105-505](http://www.wago.com/891-8993_105-505)



### Item description

#### Cable assembly *WINSTA*® MINI B coding

The *WINSTA*® MINI cable assembly with protection against mismatching is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. WAGO pluggable installation connectors can be used when requirements repeat or are planned on a defined grid, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector offers protection against contact with wires or tools if they are smaller than 1 mm in accordance with protection type IP40. Pluggable installation connectors with B coding from the *WINSTA*® MINI line are available in grey, light grey, or pink, allowing you to distinguish different circuits, for example for light, pumps or, sun blinds. Customer-specific pole marking is possible as well. *WINSTA*® MINI follows the trend towards miniaturisation. Our smallest pluggable connection system is especially suitable for lights, for instance, since as a result of LED technology; due to complex systems, these offer less and less space for the connection technology. This product meets all the mandatory fire protection requirements of fire class E; thus it can be used in areas where fire safety is relevant.

#### Fast, secure pluggable connections – cable assemblies from WAGO

The cable is pre-assembled with a socket and a free end. The *WINSTA*® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, more reliable, and error-free. Using this pre-assembled system reduces assembly times and errors during installation at the construction site. 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 against mismatching from WAGO.

- protection against mismatching eliminates errors
- consistent IP40 protection
- for automation controllers
- ready to install and use immediately

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

WAGO Corporation  
Germantown, WI 53022  
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- convenient installation and commissioning

## 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 <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> .
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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

Strip length	9 mm / 0.35 inch
Number of poles	3
Sheathed cable diameter	6.3 ... 8 mm
Wire cross-section	1 mm <sup>2</sup>

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Strip length (outer insulation)	33 mm
Connection type	Socket - Free end

## 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	Socket - free end
Type of pre-assembled cable	Connecting cable
Cable type	Control line 3 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	light green
Insulation material	Polyamide (PA66)
Fire class per EN 50575	

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	E <sub>ca</sub>
Contact material	Copper or copper alloy; surface-treated
Fire load	0.024 MJ
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	371.4 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	4050821675648
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	<a href="http://www.wago.com/890-111">www.wago.com/890-111</a>
Item no.: 890-101 Locking lever; for manual operation; black	<a href="http://www.wago.com/890-101">www.wago.com/890-101</a>
Item no.: 890-121 Locking lever; for manual operation; white	<a href="http://www.wago.com/890-121">www.wago.com/890-121</a>
Item no.: 890-131 Locking lever; for flying leads; for tool operation; white	<a href="http://www.wago.com/890-131">www.wago.com/890-131</a>

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



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## Optional accessories

### Mounting

Mounting accessories		
	Item no.: 890-310 Mounting carrier; 2- to 5-pole; for flying leads; black	<a href="http://www.wago.com/890-310">www.wago.com/890-310</a>
	Item no.: 890-311 Mounting carrier; 2- to 5-pole; for flying leads; white	<a href="http://www.wago.com/890-311">www.wago.com/890-311</a>

### Cover

Other		
	Item no.: 897-2001 Protective cap; Type1; for sockets and plugs; PVC; red	<a href="http://www.wago.com/897-2001">www.wago.com/897-2001</a>

## Downloads

### Documentation

#### Bid Text

891-8993/105-505 X81 - Datei	2019 Feb 19	xml 3.1 kB	Download
891-8993/105-505 doc - Datei	2014 Dec 2	doc 25.1 kB	Download

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 891-8993/105-505 pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. B; 5 m; 1,00 mm <sup>2</sup> ; light green	URL	Download
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## Installation Notes

### Product family

#### WINSTA® MINI

[Show all products from the family](#)

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

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