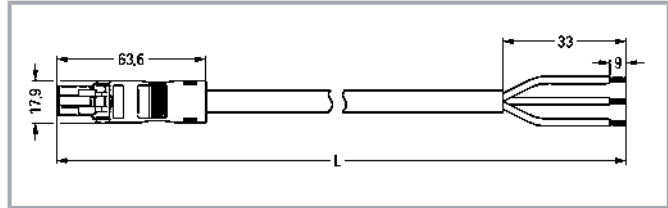


## Data sheet | Item number: 891-8993/106-403

pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. B;  
4 m; 1,50 mm<sup>2</sup>; gray

[www.wago.com/891-8993\\_106-403](http://www.wago.com/891-8993_106-403)



### Item description

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

For power and signal transmission: The *WINSTA*® MINI cable assembly rated current 16 A. WAGO pluggable installation connectors can be used when criteria repeat or are planned on a defined pattern, 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 is protected in accordance with protection type IP40. Users' fingers and tools will never come into contact with live elements. B coding enables the *WINSTA*® MINI pluggable installation connectors to be used for application control in the domains of automation, mechanical engineering and robotics. Where space is tight, our smallest pluggable connection system, *WINSTA*® MINI, conveniently displays its strengths. It is very compact, 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 building safety as well. For houses with medium-level 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 free end. The *WINSTA*® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and thus faster, more reliable, and error-free. Use of this pre-assembled system reduces assembly times and installation errors at the construction site. Now you can also cut installation costs without compromising safety and quality: The *WINSTA*® MINI pluggable installation connector with protection type IP40 reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- easy tool-free operation, a wide range of coding options
- for automation controllers
- custom-engineered solutions

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  
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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.



- rapid, structured electrical installation

## 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
Note (rated current)	13 A for 3-pole load
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

Number of poles	3
Sheathed cable diameter	7.4 ... 9.4 mm
Wire cross-section	1.5 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	4 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 1.5
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 <sub>ca</sub>
Contact material	Copper or copper alloy; surface-treated
Fire load	0.08 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	402.4 g
Copper weight of the pipe	0.043 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	4055143514774
Customs tariff number VKOrg Germany	85444290900

### Required accessories

#### Locking levers

Locking system		
<b>Item no.: 890-111</b> Locking lever; for flying leads; for tool operation; black		<a href="http://www.wago.com/890-111">www.wago.com/890-111</a>
<b>Item no.: 890-101</b> Locking lever; for manual operation; black		<a href="http://www.wago.com/890-101">www.wago.com/890-101</a>
<b>Item no.: 890-121</b> Locking lever; for manual operation; white		<a href="http://www.wago.com/890-121">www.wago.com/890-121</a>
<b>Item no.: 890-131</b> 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!

## Optional accessories

### Mounting

#### Mounting accessories

**Item no.: 890-310**

Mounting carrier; 2- to 5-pole; for flying leads; black

[www.wago.com/890-310](http://www.wago.com/890-310)

**Item no.: 890-311**

Mounting carrier; 2- to 5-pole; for flying leads; white

[www.wago.com/890-311](http://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](http://www.wago.com/897-2001)

## Downloads

### Documentation

#### Bid Text

891-8993/106-403 X81 - Datei	2019 Feb 19	xml 3.1 kB	Download
891-8993/106-403 doc - Datei	2014 Dec 2	doc 26.1 kB	Download

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 891-8993/106-403 pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. B; 4 m; 1,50 mm <sup>2</sup> ; gray	URL	Download
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## Installation Notes

### Product family

**WINSTA® MINI**

[Show all products from the family](#)

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