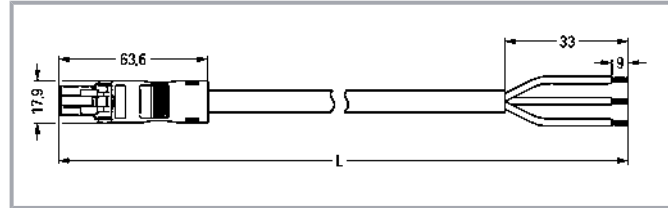


## Data sheet | Item number: 891-8993/105-603

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

[www.wago.com/891-8993\\_105-603](http://www.wago.com/891-8993_105-603)



### Item description

#### Cable assembly *WINSTA*® MINI with protection against mismating

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA*® MINI cable assembly 3-pole. Our pluggable installation connectors with spring pressure connection technology work without screw connections. They allow flexible, error-free installation in numerous applications. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismating. The pluggable installation connector is protected in accordance with protection type IP40. Users' hands and tools will never come into contact with live elements. Solutions like the *WINSTA*® MINI pluggable installation connectors with B coding are appropriate for process control, for example, for lighting or within data networks. Especially where space is tight, our smallest pluggable connection system, *WINSTA*® MINI, consistently displays its advantageous properties. It is very compact, and, with Push-in CAGE CLAMP® spring pressure connection technology, it additionally saves time, since the connection is low-maintenance and can be performed without screw connections. Building safety must be ensured at all times, even after the electrical installation stage. The required safety requirements in connection with EU CPR are met by this product through fire class E.

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

The cable is pre-assembled with a socket and a free end. The *WINSTA*® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Now you can also lower installation costs without compromising quality and safety: The *WINSTA*® MINI pluggable installation connector with fire class E reduces the need for servicing and prevents unnecessary downtime.

- protection against mismating eliminates errors
- consistent IP40 protection
- with B coding for use in process automation, such as lighting technology, among other examples
- custom-engineered solutions
- convenient installation and commissioning

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](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

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



## 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>
Strip length (outer insulation)	33 mm

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Connection type	Socket - Free end
-----------------	-------------------

## Physical data

Pin spacing	4.4 mm / 0.173 inch
Total length	6 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	gray
Insulation material	Polyamide (PA66)
Fire class per EN 50575	E <sub>ca</sub>

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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	444.4 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	4055143515078
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			
<hr/>			
<b>Item no.: 890-310</b>			
Mounting carrier; 2- to 5-pole; for flying leads; black			<a href="http://www.wago.com/890-310">www.wago.com/890-310</a>
<hr/>			
<b>Item no.: 890-311</b>			
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			
<hr/>			
			
<b>Item no.: 897-2001</b>			
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

891-8993/105-603	2019 Feb 19	xml	Download
X81 - Datei		3.1 kB	
<hr/>			
891-8993/105-603	2014 Dec 2	doc	Download
doc - Datei		25.1 kB	

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 891-8993/105-603	URL	Download
pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. B; 6 m; 1,00 mm <sup>2</sup> ; gray		

## Installation Notes

### Product family

#### WINSTA® MINI

[Show all products from the family](#)

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