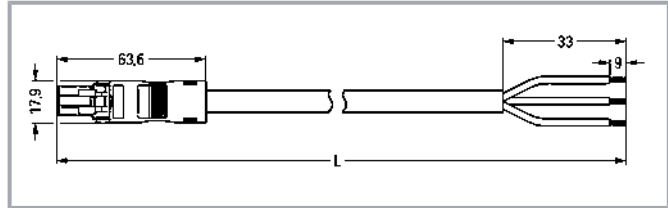


## Data sheet | Item number: 891-8993/105-105

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

[www.wago.com/891-8993\\_105-105](http://www.wago.com/891-8993_105-105)



### Item description

#### Cable assembly *WINSTA*® MINI 3-pole

For signal and power transmission: The *WINSTA*® MINI cable assembly rated current 10 A. WAGO pluggable installation connectors are used when specifications repeat or are planned on a specified pattern, for example for installing grid lighting or flush-mount lighting. 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 in accordance with protection type IP40. Users' fingers and tools will never come into contact with live elements. Solutions like the *WINSTA*® MINI pluggable installation connectors with B coding are suitable for process control, such as for lighting or within data networks. Due to its particularly compact dimensions, our *WINSTA*® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is especially suitable in very restricted spaces, i.e., for installations when very little room is available. This product meets all the mandatory fire protection requirements of fire class E; as a result it can be used in areas where fire safety is relevant.

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

The cable assembly is equipped with a socket and a free end. *WINSTA*® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It ensures error-free installation of cables and components, quickly and reliably. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with *WINSTA*® MINI pluggable installation connectors with protection type IP40 from WAGO.

- effective protection against mismating
- compact design for conductors with a cross-section up to 1.5 mm<sup>2</sup>
- with B coding for controllers, for example lighting fixtures and sun blinds
- custom-engineered solutions
- convenient installation and commissioning

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

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

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## 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	1 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	E <sub>ca</sub>

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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	79.4 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	4050821622628
Customs tariff number VKOrg Germany	85444290900

### Counterpart

<b>Item no.890-1762</b> h-distribution connector; 3-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; light green	<a href="http://www.wago.com/890-1762">www.wago.com/890-1762</a>
<b>Item no.890-273</b> Plug; 3-pole; 1,50 mm <sup>2</sup> ; light green	<a href="http://www.wago.com/890-273">www.wago.com/890-273</a>
<b>Item no.890-773</b> WINSTA® through-panel plug (male); MINI; snap-in through-panel; 1/2/3 marking; 3-pole; light-green	<a href="http://www.wago.com/890-773">www.wago.com/890-773</a>
<b>Item no.890-873/011-000</b> Plug for PCBs; angled; 3-pole; Cod. B; light green	<a href="http://www.wago.com/890-873/011-000">www.wago.com/890-873/011-000</a>
<b>Item no.890-873</b> Plug for PCBs; straight; 3-pole; Cod. B; light green	<a href="http://www.wago.com/890-873">www.wago.com/890-873</a>

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

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## Required accessories

### Locking levers


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

## Optional accessories

### Mounting

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

### Cover

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

## Downloads

### Documentation

#### Bid Text

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

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## CAD files

### CAE data

WSCAD Universe 891-8993/105-105	URL	Download
WSCAD Universe 891-8993/105-105	URL	Download

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 891-8993/105-105 pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. B; 1 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](#)

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