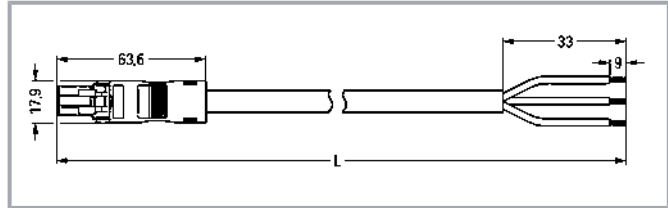


## Data sheet | Item number: 891-8993/105-103

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

[www.wago.com/891-8993\\_105-103](http://www.wago.com/891-8993_105-103)



### Item description

#### Cable assembly **WINSTA®** MINI with strain relief

For signal and power transmission: The **WINSTA®** MINI cable assembly 3-pole. WAGO pluggable installation connectors can be used when requirements repeat or are distributed on a specific pattern, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. 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 applications involving process control, such as for lighting or in data networks. Due to its particularly small dimensions, our **WINSTA®** MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is specifically 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 decisive for building safety as well. For houses with average safety requirements, cable assemblies with fire class E are suitable.

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

A socket and a free end are provided. **WINSTA®** is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It allows error-free installation of cables and components, quickly and reliably. Now you can also cut installation costs without compromising quality and safety: The **WINSTA®** MINI pluggable installation connector with strain relief hosting eliminates the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismating
- easy tool-free operation, a wide range of coding options
- with B coding for use in automation of processes, such as lighting technology
- ready to install and use immediately
- 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.
------	---

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> .
-----------	---

## 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	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.
------------------------	---

## 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

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.



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	gray
Insulation material	Polyamide (PA66)
Fire class per EN 50575	E <sub>ca</sub>

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.



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	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	4050821622611
Customs tariff number VKOrg Germany	85444290900

### Counterpart

<b>Item no.890-1661</b> h-distribution connector; 3-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 2 locking levers; gray	<a href="http://www.wago.com/890-1661">www.wago.com/890-1661</a>
<b>Item no.890-253</b> Plug; 3-pole; 1,50 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/890-253">www.wago.com/890-253</a>
<b>Item no.890-753</b> WINSTA® through-panel plug (male); MINI; snap-in through-panel; 1/2/3 marking; 3-pole; gray	<a href="http://www.wago.com/890-753">www.wago.com/890-753</a>
<b>Item no.890-1761</b> h-distribution connector; 3-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; gray	<a href="http://www.wago.com/890-1761">www.wago.com/890-1761</a>
<b>Item no.890-853</b> Plug for PCBs; straight; 3-pole; Cod. B; gray	<a href="http://www.wago.com/890-853">www.wago.com/890-853</a>
<b>Item no.890-853/011-000</b> Plug for PCBs; angled; 3-pole; Cod. B; gray	<a href="http://www.wago.com/890-853/011-000">www.wago.com/890-853/011-000</a>

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.




## 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

### 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		

### 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		

## Downloads

### Documentation

#### Bid Text

891-8993/105-103	2019 Feb 19	xml	Download
X81 - Datei		3.1 kB	
891-8993/105-103	2014 Dec 2	doc	Download
doc - Datei		25.1 kB	

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.



## CAD files

### CAE data

WSCAD Universe 891-8993/105-103	URL	Download
WSCAD Universe 891-8993/105-103	URL	Download

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 891-8993/105-103	URL	Download
pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. B; 1 m; 1,00 mm <sup>2</sup> ; gray		

## Installation Notes

## Product family

### WINSTA® MINI

[Show all products from the family](#)

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.