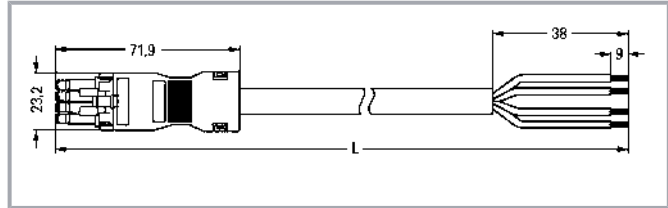


## Data sheet | Item number: 891-8994/105-103

pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. B;  
Control cable 4 x 1.0 mm<sup>2</sup>; 1 m; 1,00 mm<sup>2</sup>; gray

[www.wago.com/891-8994\\_105-103](http://www.wago.com/891-8994_105-103)



### Item description

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

The **WINSTA®** MINI cable assembly with protection type IP40 supports fast, reliable installation. WAGO pluggable installation connectors are used when criteria repeat or are planned on a defined pattern, for example for installing grid lighting or flush-mount lighting. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. 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. B coding enables the **WINSTA®** MINI pluggable installation connectors to be used for control in applications in automation, mechanical engineering and robotics. **WINSTA®** MINI satisfies the demand for miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for example, since due to LED technology, these offer less and less space for the connection technology. This product meets all the relevant fire protection requirements of fire class E; as a result it can be used in areas where fire safety is relevant.

#### Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable assembly is provided with a socket and a free end. The **WINSTA®** Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. 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.

- effective protection against mismatching
- consistent IP40 protection
- with B coding for controllers, for example lighting fixtures and sun blinds
- ready for immediate use
- fast, secure installation

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)	400 V
Rated impulse voltage (III/3)	6 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	4
Conductor preparation	ultrasonically tip-bonded

## Connection 1

Strip length	9 mm / 0.35 inch
Number of poles	4
Sheathed cable diameter	7.1 ... 9 mm
Wire cross-section	1 mm <sup>2</sup>
Strip length (outer insulation)	38 mm
Connection type	Socket - Free end

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.



## 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 4
Potential Marking	1 2 3 4
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 4 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>
Contact material	Copper or copper alloy; surface-treated
Fire load	0.115 MJ

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.



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	89.4 g
Copper weight of the pipe	0.038 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	4050821295556
Customs tariff number VKOrg Germany	8544429090

## Counterpart

<b>Item no.890-1631</b> T-distribution connector; 4-pole; Cod. B; 1 input; 2 outputs; 2 locking levers; gray	<a href="http://www.wago.com/890-1631">www.wago.com/890-1631</a>
<b>Item no.890-1681</b> h-distribution connector; 4-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 2 locking levers; gray	<a href="http://www.wago.com/890-1681">www.wago.com/890-1681</a>
<b>Item no.890-1731</b> T-distribution connector; 4-pole; Cod. B; 1 input; 2 outputs; 3 locking levers; for flying leads; gray	<a href="http://www.wago.com/890-1731">www.wago.com/890-1731</a>
<b>Item no.890-1734</b> 3-way distribution connector; 4-pole; Cod. B; 1 input; 3 outputs; gray	<a href="http://www.wago.com/890-1734">www.wago.com/890-1734</a>
<b>Item no.890-1781</b> h-distribution connector; 4-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; gray	<a href="http://www.wago.com/890-1781">www.wago.com/890-1781</a>
<b>Item no.890-254</b> Plug; 4-pole; 1,50 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/890-254">www.wago.com/890-254</a>
<b>Item no.890-754</b> WINSTA® through-panel plug (male); MINI; snap-in through-panel; 1/2/3/4 marking; 4-pole; gray	<a href="http://www.wago.com/890-754">www.wago.com/890-754</a>
<b>Item no.890-854</b>	

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.



Plug for PCBs; straight; 4-pole; Cod. B; gray

[www.wago.com/890-854](http://www.wago.com/890-854)**Item no. 890-854/011-000**[www.wago.com/890-854](http://www.wago.com/890-854)

Plug for PCBs; angled; 4-pole; Cod. B; gray

/011-000

## 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.: 897-2003</b>	<a href="http://www.wago.com/897-2003">www.wago.com/897-2003</a>
Protective cap; Type2; for sockets and plugs; PVC; red		

## Downloads

### Documentation

#### Bid Text

891-8994/105-103	2019 Feb 19	xml	Download
X81 - Datei		3.1 kB	
891-8994/105-103	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 891-8994/105-103	URL	Download
WSCAD Universe 891-8994/105-103	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8994/105-103	URL	Download
pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0 mm²; 1 m; 1,00 mm²; 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.