

## Data sheet | Item number: 891-8994/005-103

pre-assembled interconnecting cable; Eca; Socket/plug; 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\\_005-103](http://www.wago.com/891-8994_005-103)



### 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 4-pole. The pluggable installation connectors with spring pressure connection technology work completely without screw connections. They allow resource-efficient, error-free installation in a large number of applications. For greater protection in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. B coding enables the *WINSTA*® MINI pluggable installation connectors to be used for application control in the domains of automation, mechanical engineering and robotics. *WINSTA*® MINI follows the trend towards miniaturisation. Our smallest pluggable connection system is especially suitable for lights, for instance, since due to LED technology, these offer less and less space for the connection technology. Building safety must be ensured at all times, even after the electrical installation stage. The mandatory safety requirements in connection with EU CPR are met by this product through fire class E.

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

A socket and a plug are available. The *WINSTA*® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Now you can also reduce installation costs without compromising quality and safety: The *WINSTA*® MINI pluggable installation connector with protection against mismating eliminates the need for servicing and prevents unnecessary downtime.

- protection against mismating eliminates errors
- 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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Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
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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)	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.
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## Connection data

Total number of potentials	4
Conductor preparation	ultrasonically tip-bonded

## Connection 1

Number of poles	4
Sheathed cable diameter	7.1 ... 9 mm
Wire cross-section	1 mm <sup>2</sup>
Connection type	Socket - Plug

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## 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 - Plug
Type of pre-assembled cable	Interconnecting cable
Cable type	Control line 4 x 1
Protection type	IP20; IP40 when mated

## 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

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Fire load	0.234 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	98.6 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	4050821295471
Customs tariff number VKOrg Germany	85444290900

## 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.890-244</b> Socket; 4-pole; Cod. B; 1,50 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/890-244">www.wago.com/890-244</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.890-744</b>	

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WINSTA® through-panel socket (female); MINI; snap-in through-panel; N/G/L2/L1 marking; 4-pole; gray	<a href="http://www.wago.com/890-744">www.wago.com/890-744</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.890-254</b> Plug; 4-pole; 1,50 mm²; gray	<a href="http://www.wago.com/890-254">www.wago.com/890-254</a>
<b>Item no.890-844</b> Socket for PCBs; straight; 4-pole; Cod. B; gray	<a href="http://www.wago.com/890-844">www.wago.com/890-844</a>
<b>Item no.890-844/011-000</b> Socket for PCBs; angled; 4-pole; Cod. B; gray	<a href="http://www.wago.com/890-844/011-000">www.wago.com/890-844/011-000</a>
<b>Item no.890-854</b> Plug for PCBs; straight; 4-pole; Cod. B; gray	<a href="http://www.wago.com/890-854">www.wago.com/890-854</a>
<b>Item no.890-854/011-000</b> Plug for PCBs; angled; 4-pole; Cod. B; gray	<a href="http://www.wago.com/890-854/011-000">www.wago.com/890-854/011-000</a>


## 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>

## Optional accessories

### Cover

Other	
 <b>Item no.: 897-2003</b> Protective cap; Type2; for sockets and plugs; PVC; red	<a href="http://www.wago.com/897-2003">www.wago.com/897-2003</a>

### Mounting

Mounting accessories	
<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>
<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>

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## Downloads

### Documentation

#### Bid Text

891-8994/005-103 X81 - Datei	2019 Feb 19	xml 3.0 kB	Download
891-8994/005-103 doc - Datei	2015 Jun 2	doc 24.1 kB	Download

## CAD files

### CAE data

WSCAD Universe 891-8994/005-103	URL	Download
WSCAD Universe 891-8994/005-103	URL	Download

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 891-8994/005-103 pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. B; Control cable 4 x 1.0 mm <sup>2</sup> ; 1 m; 1,00 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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