

## Data sheet | Item number: 891-8993/005-303

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

[www.wago.com/891-8993\\_005-303](http://www.wago.com/891-8993_005-303)



### Item description

#### Cable assembly **WINSTA®** MINI B coding

The **WINSTA®** MINI cable assembly B coding allows installation of fine-stranded and solid conductors. WAGO pluggable installation connectors are used when criteria repeat or are distributed on a defined 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. Pluggable installation connectors with B coding from the **WINSTA®** MINI line are available in pink, light grey, or grey, allowing you to distinguish different circuits, for example for pumps, lighting, or sun blinds. Usage-specific pole marking is possible as well. **WINSTA®** MINI is our response to the trend toward miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for example, since as a result of LED technology; due to complex systems, these offer much less space for the connection technology. According to the European CPR, the fire class of the cables used in construction is decisive for the safety of buildings, too. For houses with medium-level safety requirements, cable assemblies with fire class E are suitable.

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

A socket and a plug are available. The **WINSTA®** Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and thus faster, more reliable, and error-free. Use of this pre-assembled system decreases time spent on assembly and installation errors at the construction site. Now you can also reduce 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.

- 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 such as sun blinds and lighting fixtures
- 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)	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

Number of poles	3
Sheathed cable diameter	6.3 ... 8 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	3 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 - Plug
Type of pre-assembled cable	Interconnecting cable
Cable type	Control line 3 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
Fire load	0.168 MJ

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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	231.8 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	4050821675556
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>

## Optional accessories

### Cover

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## Other

**Item no.: 897-2001**

Protective cap; Type1; for sockets and plugs; PVC; red

[www.wago.com/897-2001](http://www.wago.com/897-2001)

## Mounting

## Mounting accessories

**Item no.: 890-310**

Mounting carrier; 2- to 5-pole; for flying leads; black

[www.wago.com/890-310](http://www.wago.com/890-310)**Item no.: 890-311**

Mounting carrier; 2- to 5-pole; for flying leads; white

[www.wago.com/890-311](http://www.wago.com/890-311)

## Downloads

## Documentation

## Bid Text

891-8993/005-303 X81 - Datei	2019 Feb 19	xml 3.0 kB	Download
891-8993/005-303 doc - Datei	2015 Jun 2	doc 24.6 kB	Download

## CAD files

## CAE data

WSCAD Universe 891-8993/005-303	URL	Download
WSCAD Universe 891-8993/005-303	URL	Download

## Environmental Product Compliance

## Compliance Search

Environmental Product Compliance 891-8993/005-303 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. B; 3 m; 1,00 mm <sup>2</sup> ; gray	URL	Download
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## Installation Notes

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## Product family

### WINSTA® MINI

[Show all products from the family](#)

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