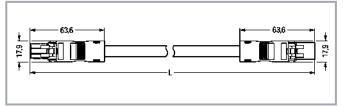
pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. B; 5 m; 1,00 mm<sup>2</sup>; gray



www.wago.com/891-8993\_005-503





#### Item description

#### Cable assembly WINSTA® MINI with protection against mismating

The WINSTA® MINI cable assembly rated current 10 A provides the foundation for assembly of solid and fine-stranded conductors. Our pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow flexible, error-free installation in a large number of possible uses. The coding options reduce installation errors, allowing fast, secure wiring of all components. B coding enables the WINSTA® MINI pluggable installation connectors to be used for control in applications in the domains of automation, mechanical engineering and robotics. Where space is tight, our smallest pluggable connection system, WINSTA® MINI, consistently displays its advantageous properties. It is very compact, and, thanks to Push-in CAGE CLAMP® spring pressure connection technology, it also saves time, since the installation is low-maintenance and can be performed without screw connections. This product meets all the mandatory safety requirements of fire class E; thus it can be used in domains where fire safety is relevant.

### 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 reduces 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>
- for automation controllers
- custom-engineered solutions
- convenient installation and commissioning

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

WAGO Corporation Germantown, WI 53022

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Email: info.us@wago.com | Web: www.wago.us

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# 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 https://configurator.wago.com/.

#### Electrical data

Note on contact resistance approx. 1 m $\Omega$  of contact resistance

approx. 0.25 m $\Omega$  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

Number of poles	3
Sheathed cable diameter	6.3 8 mm
Wire cross-section	1 mm²
Connection type	Socket - Plug

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## Physical data

Pin spacing	4.4 mm / 0.173 inch
Total length	5 m

#### Mechanical data

Application	Control technology
Coding	В
Variable coding	No
Marking	123
Potential Marking	123
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

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$ 

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0.168 MJ
gray
black
black
gray
black
No
PVC
377.8 g
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	4050821675563
Customs tariff number VKOrg Germany	85444290900

## Required accessories

Locking levers

www.wago.com/890-111
www.wago.com/890-101
www.wago.com/890-121
www.wago.com/890-131

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

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### Optional accessories

Cover
-------

Other



Item no.: 897-2001

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

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

Item no.: 890-311

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

www.wago.com/890-311

**Downloads** 

#### Documentation

#### **Bid Text**

891-8993/005-503 X81 - Datei	2019 Feb 19	xml 3.0 kB	Download
891-8993/005-503 doc - Datei	2015 Jun 2	doc 24.6 kB	Download

#### **CAD files**

## **CAE** data

WSCAD Universe 891-8993/005-503	URL	Download
WSCAD Universe 891-8993/005-503	URL	Download

# **Environmental Product Compliance**

## Compliance Search

Environmental Product Compliance 891-8993/005-503 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. B; 5 m; 1,00 mm²; gray

URL Download

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

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**Installation Notes** 

**Product family** 

WINSTA® MINI

Show all products from the family

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$ 

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