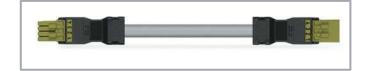
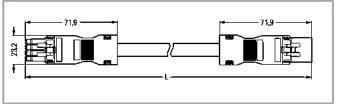
pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. B; Control cable  $4 \times 1.5 \text{ mm}^2$ ; 5 m; 1,50 mm<sup>2</sup>; light green



www.wago.com/891-8994\_006-505





#### Item description

#### Cable assembly WINSTA® MINI with protection type IP20

For power and signal transmission: The *WINSTA®* MINI cable assembly with protection type IP20. Our 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 security in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismating. Solutions like the *WINSTA®* MINI pluggable installation connectors with B coding are appropriate for process control, such as for lighting or in data networks. If only limited space is available, our smallest pluggable connection system, *WINSTA®* MINI, consistently displays its advantages. It saves space, and, with Push-in CAGE CLAMP® spring pressure connection technology, it also can be installed quickly, since the installation is low-maintenance and can be performed without screw connections. This product meets all the mandatory fire protection requirements of fire class E; therefore it can be used in areas where fire safety is relevant.

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

A socket and a plug are available. 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 type IP20 from WAGO.

- protection against mismating eliminates errors
- compact design for conductors with a cross-section up to 1.5 mm²
- for automation controllers
- exact dimensions
- rapid, structured electrical 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 | Web: www.wago.us

Do you have any questions about our products? We are always happy to take your call at +49 (571) 887-44222.

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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.  $0.25 \text{ m}\Omega$  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	16 A
Note (rated current)	13 A for 3-pole load
	10 A for 4-pole load
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

Number of poles	4
Sheathed cable diameter	8.4 10.5 mm
Wire cross-section	1.5 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	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 1.5
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	light green
Insulation material	Polyamide (PA66)
Fire class per EN 50575	E <sub>ca</sub>
Contact material	Copper or copper alloy; surface-treated
Fire load	0.158 MJ

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Connector color	light green
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	562.5 g
Copper weight of the pipe	0.058 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	4050821682806
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	www.wago.com/890-111
Item no.: 890-101 Locking lever; for manual operation; black	www.wago.com/890-101
Item no.: 890-121 Locking lever; for manual operation; white	www.wago.com/890-121
Item no.: 890-131 Locking lever; for flying leads; for tool operation; white	www.wago.com/890-131

## Optional accessories

Mounting

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

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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

Cover

Other



Item no.: 897-2003

Protective cap; Type2; for sockets and plugs; PVC; red

www.wago.com/897-2003

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**Installation Notes** 

**Product family** 

WINSTA® MINI

Show all products from the family

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

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