

Data sheet | Item number: 891-8993/005-105

pre-assembled interconnecting cable; Socket/plug; 3-pole; Cod. B; 1 m; 1,00 mm²; light green

www.wago.com/891-8993_005-105



Item description

Cable assembly *WINSTA*® MINI with protection type IP20

The *WINSTA*® MINI cable assembly with protection against mismatching is the pluggable solution for your use in control cabinets, for lighting connections or on PCBs. WAGO pluggable installation connectors are used when specifications repeat or are distributed on a defined grid, for example for installing grid lighting or flush-mount lighting. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. 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. Your own pole marking is possible in addition. *WINSTA*® MINI is our response to the trend toward miniaturisation. Our smallest pluggable connection system is especially suitable for lights, for example, since as a result of LED technology; due to complex systems, these offer less and less space for the connection technology. This product meets all the mandatory fire protection 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

The cable assembly is equipped with a socket and a plug. 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 expenses without compromising quality and safety: The *WINSTA*® MINI pluggable installation connector with marking eliminates the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- easy tool-free operation, a wide range of coding options
- for automation controllers
- ready to install and use immediately
- 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 | 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.



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 https://configurator.wago.com/ .
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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 ²
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
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	light green
Insulation material	Polyamide (PA66)
Fire class per EN 50575	E _{ca}
Contact material	Copper or copper alloy; surface-treated

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Fire load	0.111 MJ
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	85.6 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	4050821622598
Customs tariff number VKOrg Germany	85444290900

Counterpart

Item no.890-1762 h-distribution connector; 3-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; light green	www.wago.com/890-1762
Item no.890-263 Socket; 3-pole; Cod. B; 1,50 mm ² ; light green	www.wago.com/890-263
Item no.890-763 WINSTA® through-panel socket (female); MINI; snap-in through-panel; 1/2/3 marking; 3-pole; light-green	www.wago.com/890-763
Item no.890-773 WINSTA® through-panel plug (male); MINI; snap-in through-panel; 1/2/3 marking; 3-pole; light-green	www.wago.com/890-773
Item no.890-273 Plug; 3-pole; 1,50 mm ² ; light green	www.wago.com/890-273
Item no.890-863 Socket for PCBs; straight; 3-pole; Cod. B; light green	www.wago.com/890-863
Item no.890-863/011-000	www.wago.com/890-863

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Socket for PCBs; angled; 3-pole; Cod. B; light green	/011-000
Item no.890-873/011-000	www.wago.com/890-873/011-000
Plug for PCBs; angled; 3-pole; Cod. B; light green	
Item no.890-873	www.wago.com/890-873
Plug for PCBs; straight; 3-pole; Cod. B; light green	


Required accessories

Locking levers

Locking system	
Item no.: 890-111	www.wago.com/890-111
Locking lever; for flying leads; for tool operation; black	
Item no.: 890-101	www.wago.com/890-101
Locking lever; for manual operation; black	
Item no.: 890-121	www.wago.com/890-121
Locking lever; for manual operation; white	
Item no.: 890-131	www.wago.com/890-131
Locking lever; for flying leads; for tool operation; white	

Optional accessories

Cover

Other	
	
Item no.: 897-2001	www.wago.com/897-2001
Protective cap; Type1; for sockets and plugs; PVC; red	

Mounting

Mounting accessories	
Item no.: 890-310	www.wago.com/890-310
Mounting carrier; 2- to 5-pole; for flying leads; black	
Item no.: 890-311	www.wago.com/890-311
Mounting carrier; 2- to 5-pole; for flying leads; white	

Downloads

Documentation

Bid Text

891-8993/005-105	2019 Feb 19	xml	Download
X81 - Datei		3.0 kB	

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Installation Notes

Product family

WINSTA® MINI

[Show all products from the family](#)

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