

Data sheet | Item number: 890-1904

3-way distribution connector; 2-pole; Cod. I; 1 input; 3 outputs; blue

www.wago.com/890-1904



Color:

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

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

Item description

Distribution connector *WINSTA*® MINI 2-pole

The *WINSTA*® MINI distribution connector with protection type IP20 is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. Our pluggable installation connectors with spring pressure connection technology function without screw connections. They allow flexible, error-free installation in a large number of possible uses. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. Coding in blue is used to mark *WINSTA*® MINI pluggable installation connectors, which are used primarily in automation of buildings for activating lighting. Due to its particularly small dimensions, our *WINSTA*® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is very suitable in very restricted spaces, i.e., for connections when very little room is available.

WINSTA® MINI solutions for your electrical installation – protected against mismatching and maintenance-free

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. Using this pre-assembled system decreases assembly times and installation errors at the construction site. Now you can also lower installation expenses without compromising quality and safety: The *WINSTA*® MINI pluggable installation connector with protection against mismatching eliminates the need for servicing and prevents unnecessary downtime.

- protection against mismatching eliminates errors
- consistent IP40 protection
- for intelligent, easy lighting installation
- ready to install and use immediately
- fast, secure installation

Data

Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	250 V
Rated impulse voltage (III/3)	4 kV
Rated current	16 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

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Ratings per UL 1977

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.
Rated voltage (UL 1977)	600 V
Rated current UL 1977	14 A

General information

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket
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Connection data

Total number of potentials	2
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Connection 1

Pole number	2
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Physical data

Pin spacing	4.4 mm / 0.173 inches
Width	12 mm / 0.472 inches
Height	29 mm / 1.142 inches
Depth	63.5 mm / 2.5 inches

Mechanical Data

Application	DALI, Lighting Management
Coding	I
Variable coding	No
Marking	+ -
Potential marking	+ -
Mating force of a plug-in connection	approx. 20 ... 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Unmating force of a plug-in connection	Unlocked: approx. 20 ... 70 N (depending on pole number)
Number of mating cycles	200, without resistive load
Type of distribution box	Distribution connector, 3-way
Protection type	IP20; IP40 when mated

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Plug-in connection

Contact type (pluggable connector)	Socket/plug
Mismating protection	Yes
Note on mismating protection	All <i>WINSTA</i> [®] 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	yes
Locking of plug-in connection	locking lever
Note on locking system	All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).
Number of locking levers	4

Material Data

Note (material data)	Information on material specifications can be found here
Color	blue
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.262 MJ
Weight	11.9 g

Environmental requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Commercial data

eCl@ss 10.0	27-44-06-03
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eCl@ss 9.0	27-44-06-03
ETIM 8.0	EC002567
ETIM 7.0	EC002567
PU (SPU)	50 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143608718
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	cURus Underwriters Laboratories Inc.	UL 1977	E45171

Counterpart

Item no.890-1102 Socket; 2-pole; Cod. I; 1,50 mm ² ; blue	www.wago.com/890-1102
Item no.890-1112 Plug; 2-pole; Cod. I; 1,50 mm ² ; blue	www.wago.com/890-1112
Item no.891-8982/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. I; H05VV-F 2 x 1.5 mm ² ; 1 m; 1,50 mm ² ; blue	www.wago.com/891-8982/006-101
Item no.891-8982/106-101 pre-assembled connecting cable; Eca; Socket/open-ended; 2-pole; Cod. I; H05VV-F 2 x 1.5 mm ² ; 1 m; 1,50 mm ² ; blue	www.wago.com/891-8982/106-101
Item no.891-8982/206-101 pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. I; H05VV-F 2 x 1.5 mm ² ; 1 m; 1,50 mm ² ; blue	www.wago.com/891-8982/206-101

Optional accessories

Mounting

Mounting accessories	
Item no.: 890-1622 Mounting plate; 2-pole; for distribution connectors; black	www.wago.com/890-1622

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

Item no.: 890-1672

Mounting plate; 2-pole; for distribution connectors; white

www.wago.com/890-1672

Downloads

Documentation

Bid Text

890-1904 X81 - Datei	2019 年2月19 日	xml 2.8 kB	Download
890-1904 doc - Datei	2017 年4月13 日	doc 23.0 kB	Download

CAD/CAE-Data

CAD data

2D/3D Models 890-1904	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 890-1904 3-way distribution connector; 2-pole; Cod. I; 1 input; 3 outputs; blue	URL	Download
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Installation Notes

Installation



Secure the mounting plate via pins.

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Product family

WINSTA® MINI

[Show all products from the family](#)

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