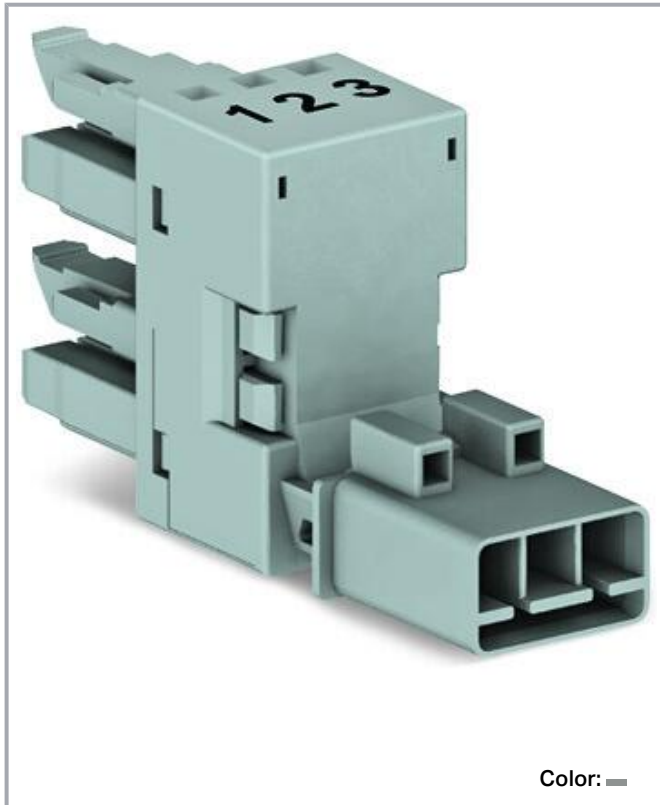


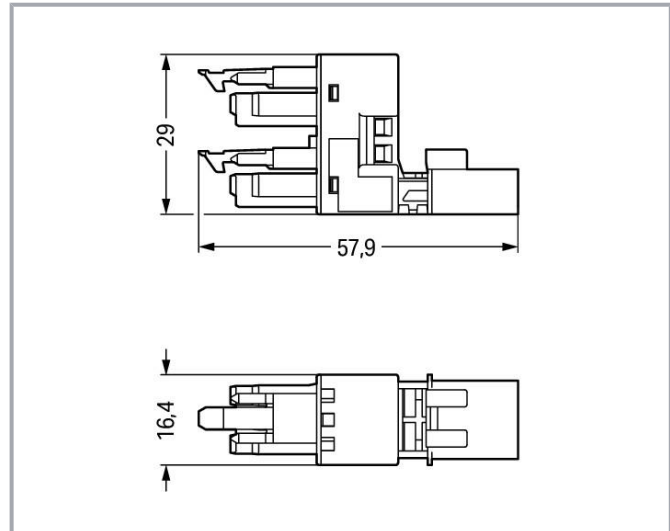
Data sheet | Item number: 890-1661

h-distribution connector; 3-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 2 locking levers; gray

www.wago.com/890-1661



Color: —



Item description

Distribution connector *WINSTA®* MINI with protection against mismating

The *WINSTA®* MINI distribution connector with locking latch is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. WAGO pluggable installation connectors can be used when requirements repeat or are planned on a specified grid, for example for installing grid lighting or flush-mount lighting. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. Pluggable installation connectors with B coding from the *WINSTA®* MINI line are available in pink, light green, or gray, allowing you to distinguish different circuits, for example for pumps, lighting, or sun blinds. Customer-specific pole marking is possible in addition. Thanks to its particularly minimal dimensions, our *WINSTA®* MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is specifically suitable in very restricted spaces, i.e., for connections when very little room is available.

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

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We are always happy to take your call at +49 (571) 887-44222.



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

The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Now you can also reduce installation expenses without compromising safety and quality: with marking reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- compact design for conductors with a cross-section up to 1.5 mm²
- with B coding for use in automation of processes, such as lighting technology, for instance
- exact dimensions
- quick replacement of defective units during ongoing operation

Data

Notes

Variants:

Other pole markings

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

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

Ratings per IEC/EN – Notes

Note (rated current)	13 A for 3-pole load
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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

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



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

Connection data

Total number of potentials

3

Connection 1

Pole number

3

Physical data

Pin spacing

4.4 mm / 0.173 inches

Width

16.4 mm / 0.646 inches

Height

29 mm / 1.142 inches

Depth

57.85 mm / 2.278 inches

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: > 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

h-distribution connector, outputs at one end

Protection type

IP20; IP40 when mated

Plug-in connection

Contact type (pluggable connector)

Socket/plug

Mismating protection

Yes

Note on mismating protection

All *WINSTA*® components are 100% protected against mismating when:

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- 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	

Material data

Note (material data)

Information on material specifications can be found here

Color	gray
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	0.237 MJ
Weight	13.4 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

Product Group	20 (Winsta)
eCl@ss 10.0	27-44-06-03
eCl@ss 9.0	27-44-06-03
ETIM 8.0	EC002567
ETIM 7.0	EC002567
ECCN	NO DATA
PU (SPU)	50 pcs

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Packaging type	box
Country of origin	DE
GTIN	4050821530770
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
	CB DEKRA Certification B.V.	IEC 61984	NL-64351
	CB DEKRA Certification B.V.	EN 61984	71-112993
	cURus Underwriters Laboratories Inc.	UL 1977	E45171
	KEMA/KEUR DEKRA Certification B.V.	EN 60320	2148952.04

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
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DNV GL
Det Norske Veritas, Germanischer Lloyd

TAE00001Z6



LR
Lloyds Register

EN 61535

08/20047
(E2)

Counterpart



Item no. 890-243
Socket; 3-pole; Cod. B; 1,50 mm²; gray

www.wago.com/890-243

Item no. 890-253
Plug; 3-pole; Cod. B; 1,50 mm²; gray

www.wago.com/890-253

Item no. 891-8993/105-103
pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. B; 1 m; 1,00 mm²; gray

www.wago.com/891-8993/105-103

Item no. 891-8993/005-103
pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. B; 1 m; 1,00 mm²; gray

www.wago.com/891-8993/005-103

Item no. 891-8993/205-103
pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. B; 1 m; 1,00 mm²; gray

www.wago.com/891-8993/205-103

Required accessories

Mounting

Mounting accessories



Item no.: 890-623
Mounting plate; 3-pole; for distribution connectors; Plastic; black

www.wago.com/890-623

Item no.: 890-673
Mounting plate; 3-pole; for distribution connectors; Plastic; white

www.wago.com/890-673

Downloads

Documentation

Bid Text

890-1661
X81 - Datei

2019 年2月19 日

xml
2.9 kB

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CAD/CAE-Data

CAD data

2D/3D Models 890-1661	URL	Download
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CAE data

ZUKEN Portal 890-1661	URL	Download
WSCAD Universe 890-1661	URL	Download

Asset Administration Shell

Asset Administration Shell 890-1661	URL	Download
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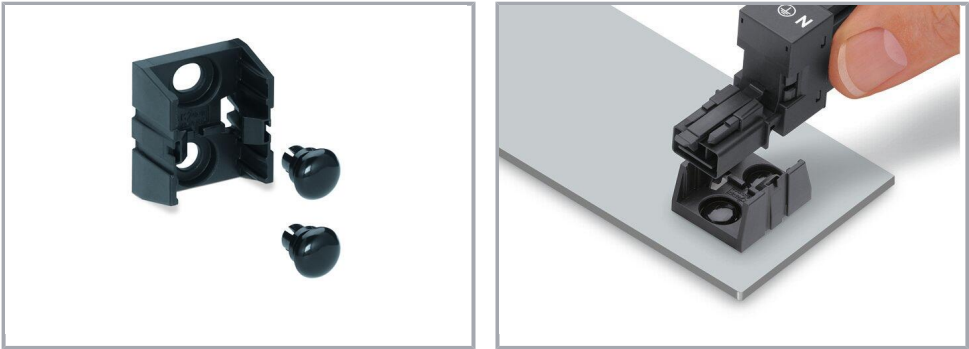
Environmental Product Compliance

Compliance Search

Environmental Product Compliance 890-1661	URL	Download
h-distribution connector; 3-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 2 locking levers; gray		

Installation Notes

Installation



Secure the mounting plate via pins.

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



Product family

WINSTA® MINI

[Show all products from the family](#)

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