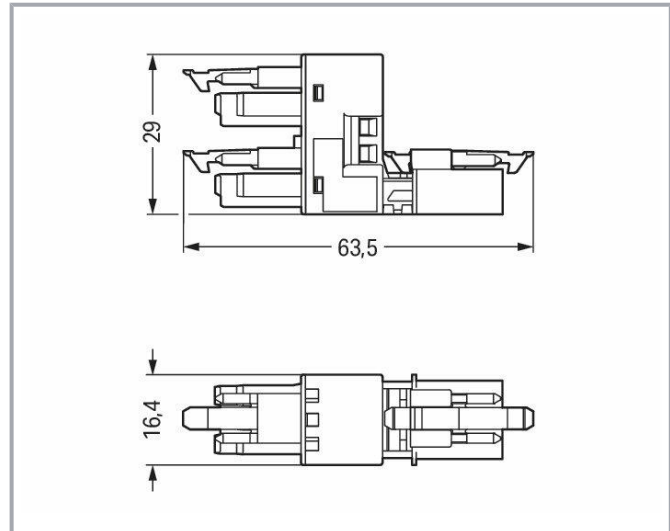
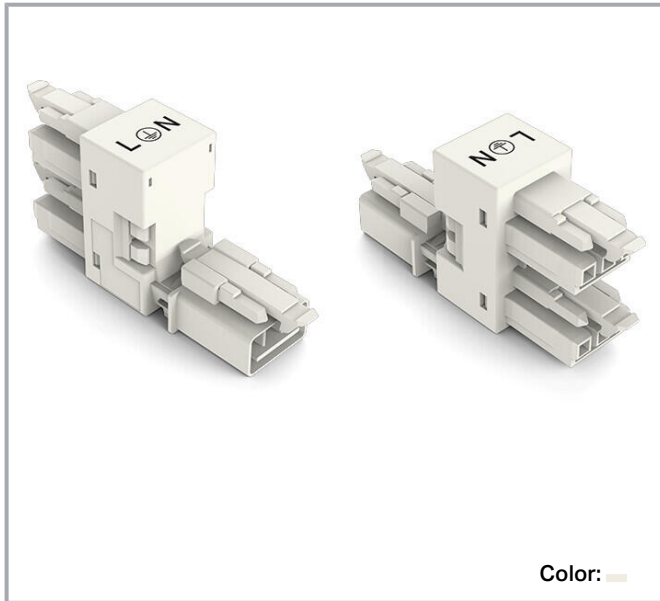


Data sheet | Item number: 890-686

h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; white

www.wago.com/890-686



Item description

Distribution connector **WINSTA®** MINI 3-pole

The **WINSTA®** MINI distribution connector 3-pole supports fast, reliable installation. Our pluggable installation connectors with spring pressure connection technology function without screw connections. They allow fast, efficient, error-free installation in numerous applications. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The **WINSTA®** MINI pluggable installation connector with A coding in white or black is usually used for general mains applications in power distribution. Due to its particularly compact 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.

Lower costs through fast commissioning and elimination of service expenses – solutions from **WINSTA®** MINI

The **WINSTA®** Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Now you can also lower installation costs without compromising quality and safety: with protection against mismatching eliminates the need for servicing and prevents unnecessary downtime.

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

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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.



- effective protection against mismatching
- consistent IP40 protection
- with A coding for use in a large number of general mains applications
- flexible installation to save space
- convenient installation and commissioning

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) \triangleq Overvoltage category III / Pollution degree 3

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 m Ω of contact resistance approx. 0.25 m Ω contact transition plug/socket
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Connection data

Total number of potentials	3
PE function	Preceding PE contact

Connection 1

Pole number	3
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Subject to changes. Please also observe the further product documentation!



Physical data

Pin spacing	4.4 mm / 0.173 inches
Width	16.4 mm / 0.646 inches
Height	29 mm / 1.142 inches
Depth	63.5 mm / 2.5 inches

Mechanical data

Application	General mains applications
Coding	A
Variable coding	No
Marking	L \perp N
Potential marking	L \perp N
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
Suitable	for flying leads

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	

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

Material data

Note (material data)

Information on material specifications can be found here

Color	white
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	0.33 MJ
Weight	13.7 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
Packaging type	box
Country of origin	DE
GTIN	4045454404468
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals

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Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	IEC 61535	NL-85020
	CCA DEKRA Certification B.V.	EN 61535	71- 123231
	cURus Underwriters Laboratories Inc.	UL 1977	E45171

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
	ABS American Bureau of Shipping	Steel Vessel Rules	19- HG1869855- PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
	LR Lloyds Register	EN 61535	08/20047 (E2)

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Counterpart

	Item no.890-123 Socket; with strain relief housing; 3-pole; Cod. A; 1,50 mm ² ; white	www.wago.com/890-123
	Item no.890-133 Plug; with strain relief housing; 3-pole; 1,50 mm ² ; white	www.wago.com/890-133
	Item no.890-223 Socket; 3-pole; Cod. A; 1,50 mm ² ; white	www.wago.com/890-223
	Item no.890-233 Plug; 3-pole; Cod. A; 1,50 mm ² ; white	www.wago.com/890-233
	Item no.891-8993/005-102 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; 1 m; 1,00 mm ² ; white	www.wago.com/891-8993/005-102
	Item no.891-8993/105-102 pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. A; 1 m; 1,00 mm ² ; white	www.wago.com/891-8993/105-102
	Item no.891-8993/205-102 pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. A; 1 m; 1,00 mm ² ; white	www.wago.com/891-8993/205-102

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

890-686 X81 - Datei	2019 年2月19 日	xml 2.9 kB	Download
890-686 doc - Datei	2018 年11月30 日	doc 23.6 kB	Download

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CAD/CAE-Data

CAD data

2D/3D Models 890-686	URL	Download
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CAE data

EPLAN Data Portal 890-686	URL	Download
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WSCAD Universe 890-686	URL	Download
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ZUKEN Portal 890-686	URL	Download
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Asset Administration Shell

Asset Administration Shell 890-686	URL	Download
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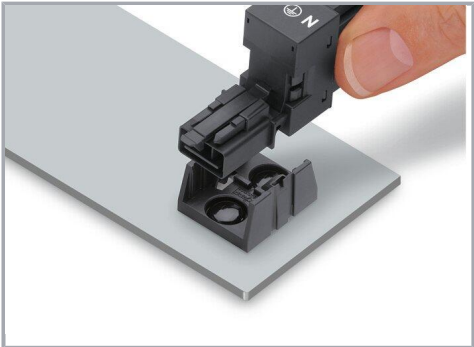
Environmental Product Compliance

Compliance Search

Environmental Product Compliance 890-686	URL	Download
h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; white		

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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