

Data sheet | Item number: 890-702

Snap-in socket; 2-pole; Cod. A; 1,50 mm²; black

www.wago.com/890-702



RoHS
Compliant

BOMcheck.net

Color: ■

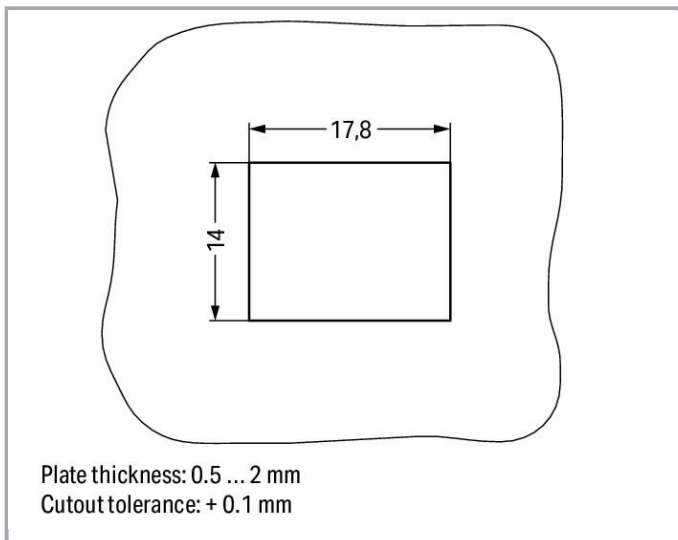
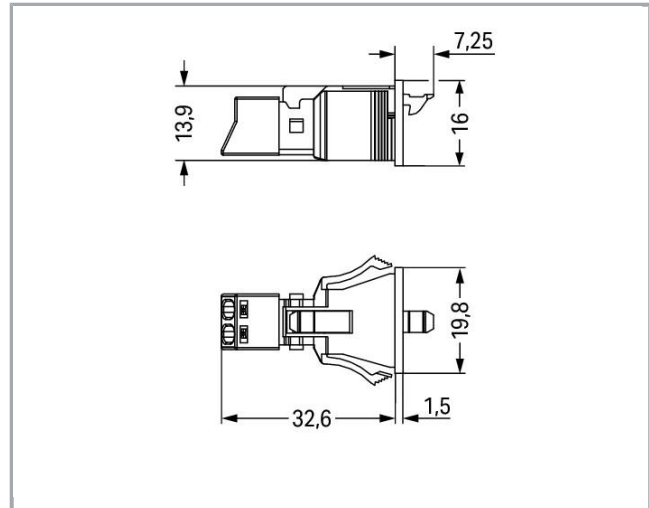


Plate thickness: 0.5 ... 2 mm
Cutout tolerance: + 0.1 mm

Item description

- Protected against mismatching and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit

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

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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- Compact design with 4.4 mm pole spacing
- When assembled, the installation connectors complies with IP40 and are suitable for easily accessible areas

Note:

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).

Note on mismatching protection:

All WINSTA[®] components are 100% protected against mismatching when:

- plugging different numbers of poles
- plugging while rotated 180
- plugging while laterally staggered
- plugging one pole

Safety information 1:

Application note for the U.S. market (USR): 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.

Data**Electrical data**

Note on Contact Resistance

approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket

Ratings per IEC/EN 60664-1

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

Approvals per UL 1977

Rated voltage UL 1977	600 V
Rated current UL 1977	14 A

Connection data

Connection technology	Push-in CAGE CLAMP [®]
Actuation type	Operating tool Push-in
Nominal cross-section	1,5 mm ²
Solid conductor	0,25 ... 1,5 mm ² / 22 ... 16 AWG

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Solid conductor; push-in termination	0,75 ... 1,5 mm ² / 20 ... 16 AWG
Stranded conductor	0,25 ... 1 mm ² / 22 ... 18 AWG
Fine-stranded conductor	0,25 ... 1,5 mm ² / 22 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0,25 ... 0,75 mm ² / 22 ... 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0,25 ... 0,75 mm ² / 22 ... 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0,75 mm ² / 20 AWG
Strip length	9 mm / 0.35 inch
Note (strip length)	see also packaging or instructions
Pole No.	2
Total number of connection points	2
Total number of potentials	2
Conductor entry direction to mating direction	0°

Geometrical Data

Pin spacing	4,4 mm / 0.173 inch
Width	19,8 mm / 0.78 inch
Height	16 mm / 0.63 inch
Depth	39,85 mm / 1.569 inch

Mechanical data

Coding	A
Mating force of a plug-in connection	approx. 20 ... 70 N (depending on pole number)
Retention force of a plug-in connection	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 100, with resistive load $I_N = 16$ A, tested (1.5mm ² /AWG 16)
Housing sheet thickness	0,5 ... 2 mm / 0.02 ... 0.079 inch
Mounting type	Snap-in
Marking	L N
Protection type	IP40
Potential marking	L N
Application	General mains applications

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



Plug connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismating protection	Yes
Locking of plug-in connection	locking lever
Locking lever	yes

Material Data

Color	black
Insulation material	Polyamide 66 (PA 66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)
Fire load	0.109 MJ
Weight	4.6 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)
Packaging type	BOX
Country of origin	PL
GTIN	4045454233396
Customs tariff number	85366990990

Approvals / Certificates

Country specific Approvals


Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 61535	71-11299

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Ship Approvals

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)

UL-Approvals

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

Counterpart

	Item no.890-112 Plug; with strain relief housing; 2-pole; 1,50 mm ² ; black	www.wago.com/890-112
	Item no.890-212 Plug; 2-pole; 1,50 mm ² ; black	www.wago.com/890-212
	Item no.891-8992/205-101 pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. A; H05VV-F 2 x 1.0 mm ² ; 1 m; 1,00 mm ² ; black	www.wago.com/891-8992/205-101
	Item no.890-212/342-000 Plug; with strain relief housing; 2-pole; 1,50 mm ² ; black	www.wago.com/890-212/342-000
	Item no.891-8992/005-101 pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. A; H05VV-F 2 x 1.0 mm ² ; 1 m; 1,00 mm ² ; black	www.wago.com/891-8992/005-101

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Compatible products

tools



Item no.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-719

Downloads

Documentation

Bid Text

890-702 GAEB X81 - Datei	Feb 19, 2019	xml 3.0 kB	Download
890-702 doc - Datei	Nov 30, 2018	doc 23.6 kB	Download

CAD/CAE-Data

CAD data

2D/3D Models 890-702	URL	Download
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CAE data

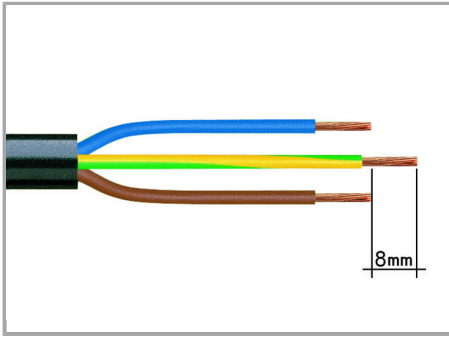
EPLAN Data Portal 890-702	URL	Download
WSCAD Universe 890-702	URL	Download

Installation Notes

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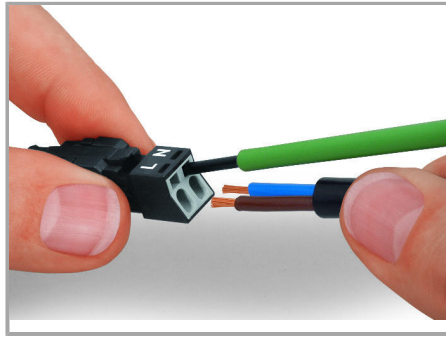
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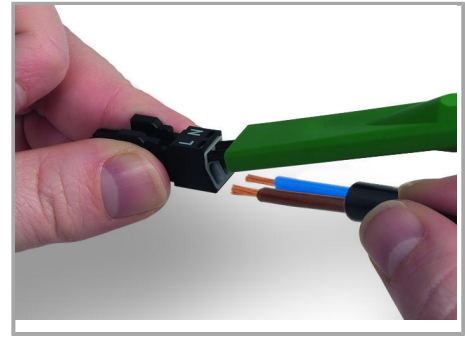
1. Strip length, outer insulation = 30 mm (2-pole), 37 mm (3-pole), 45 mm (4- and 5-pole)

2. Strip length = 9 mm

3. Extended ground conductor = 8 mm

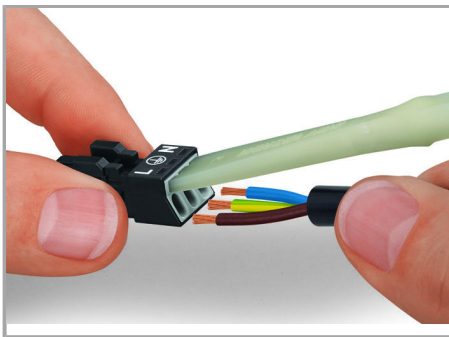


To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits backstop. Terminate solid conductors by simply pushing them in.



To terminate fine-stranded conductors, open clamping units via operating tool (890-382) and insert stripped conductors until they hit backstop.

Terminate solid conductors by simply pushing them in.



Product family

<i>WINSTA</i>® MINI

[Show all products from the family](#)

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