WAGO

BOMcheck.net

Color: ▪

7,25
13,9
16
24,2
32,6
1,5

22,2

14

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

Item description

■ Protected against mismating and maintenance-free

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

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

- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

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 mismating protection:

All WINSTA® components are 100% protected against mismating in terms of:

a.) plugging different number of poles

b.) plugging when turned by 180°

c.) plugging when laterally staggered

d.) 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. 1mΩ contact resistance approx. 0.25mΩ contact transition plug/socket

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	16 A
Note on rated current	13 A for 3-pole load
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	14 A

Connection data

Actuation type	Operating tool

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	Push-in
Nominal cross section	1.5 mm²
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor, push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 … 0.75 mm² / 22 … 20 AWG
Strip length	9 mm / 0.35 inch
Note (strip length)	see also packaging or instructions
No. of poles	3
Total number of connection points	3
Total number of potentials	3
Conductor entry direction to mating direction	0 °

Geometrical Data

Pin spacing	4.4 mm / 0.173 inch
Width	24,2 mm / 0.953 inch
Height	16 mm / 0.63 inch
Depth	34,1 mm / 1.343 inch

Mechanical data

Coding	B
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	when 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 (1.5 mm²/16 AWG)
Gehäuseblechstärke	0.5 … 2 mm / 0.02 … 0.079 inch
Mounting type	Snap-in
Marking	1 2 3
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

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Potential marking	1 2 3
Suitable	for lighting installation with intermediate coupler

Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for conductors
Mismating protection	Yes
Locking of plug-in connection	locking lever
Locking lever	no

Material Data

Color	gray
Insulating material	Polyamide 66 (PA 66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated
Fire load	0.124 MJ
Weight	6.5 g

Environmental Requirements

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

Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4050821508632
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
KEMA KEUR	**CB** DEKRA Certification B.V.	EN 61984	71-100413

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

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	LR Lloyds Register	EN 61535	08/20047 (E2)

Counterpart

	Item no.890-243/060-000 Socket; 3-pole; Cod. B; 1,50 mm²; gray	www.wago.com/890-243/060-000
	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.891-8993/105-103 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

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
	Item no.: 890-383 Operating tool; 3-way; green	www.wago.com/890-383

protection

	Item no.: 890-643 Lockout cap; 3-pole; for cutouts; Plastic; black	www.wago.com/890-643
	Item no.: 890-693 Lockout cap; 3-pole; for cutouts; Plastic; white	www.wago.com/890-693

Installation Notes

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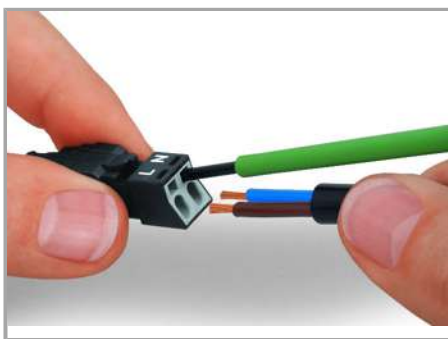Email: info.de@wago.com | Web: www.wago.com

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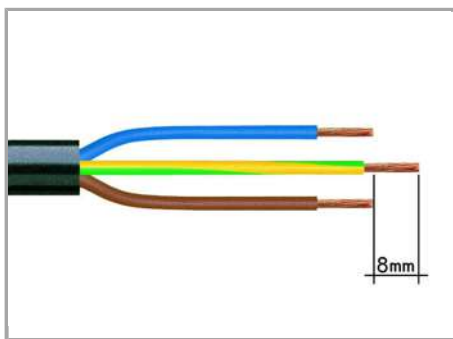
1. Strip length, outer insulation = 30 mm (2-pole), 37 mm (3-pole), 45 mm (4- and 5-pole)

2. Strip length = 9 mm
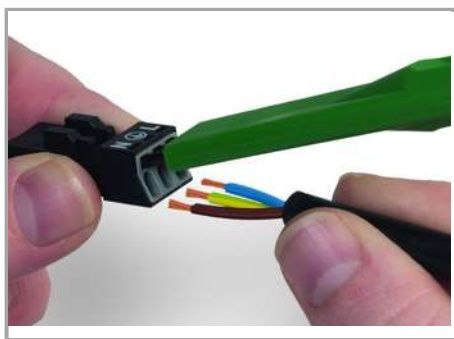
3. Extended ground conductor = 8 mm

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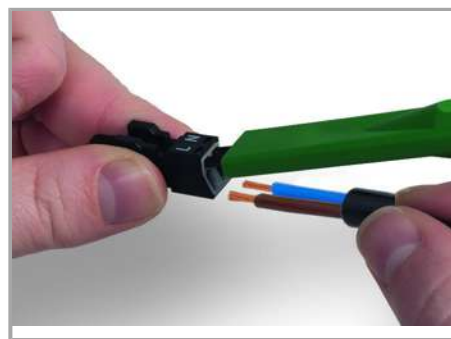
To terminate fine-stranded conductors, open clamping units via operating tool (890-382) and insert stripped conductors until they hit backstop.

Terminate solid conductors by simply pushing them in.

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To terminate fine-stranded conductors, open clamping units via operating tool (890-383) and insert stripped conductors until they hit backstop.

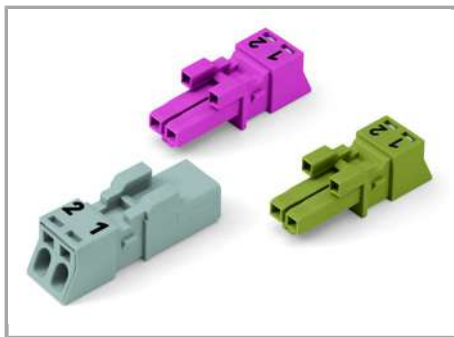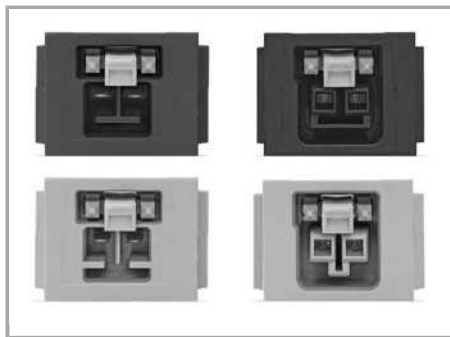Terminate solid conductors by simply pushing them in.

Mismating protection

B-coded connectors with different colors can be plugged together.

B-coded connectors (shown in gray) not only differ in color, but also in their design, making them incompatible with other coded connectors.

Important note:
Different colors and/or pole marking are used for circuit identification.
Only connectors of the same color and same pole marking must be plugged together.

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