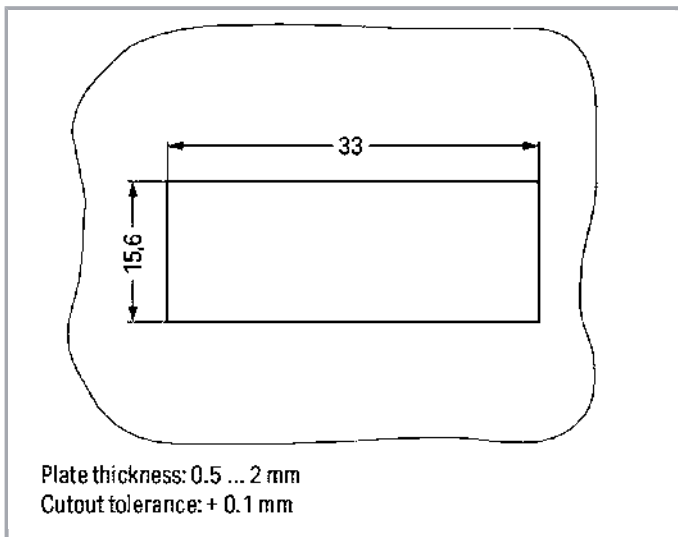
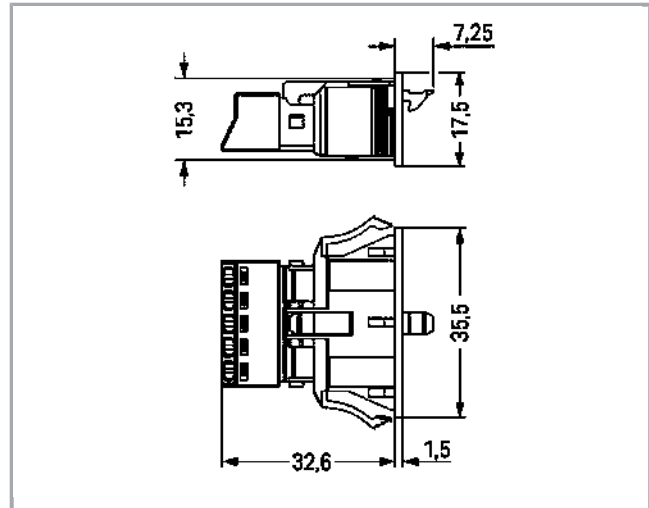
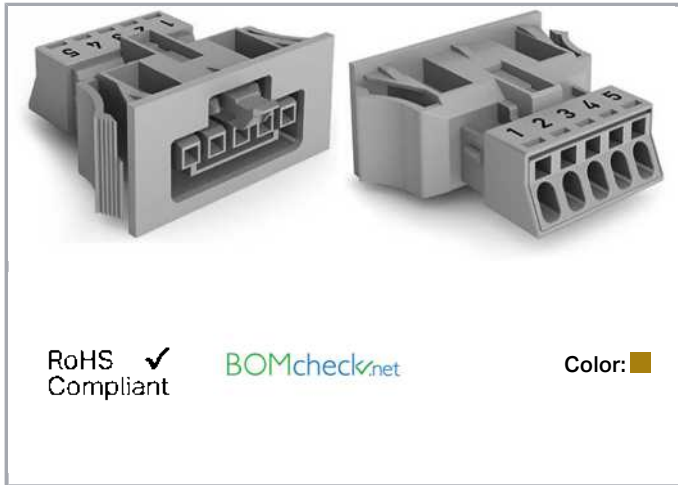


Data sheet | Item number: 890-765

Snap-in socket; 5-pole; Cod. B; 1,50 mm²; light green

www.wago.com/890-765



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
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements
- When assembled, the installation connectors complies with IP40 and are suitable for easily accessible areas

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

WAGO Kontakttechnik 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.

**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:

- a.) plugging different numbers of poles
- b.) plugging while rotated 180
- c.) plugging while 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. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket
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Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	400 V
Rated impulse voltage (III / 3)	6 kV
Rated current	16 A
Note on rated current	13 A for 3-pole load 10 A for 4- and 5-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)	12 A

Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool 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

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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 ferrule with plastic collar	0,25 ... 0,75 mm ² / 22 ... 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0,25 ... 0,75 mm ² / 22 ... 20 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0,75 mm ² / 20 AWG
Strip length	9 mm / 0.35 inch
Note (strip length)	see also packaging or instructions
No. of poles	5
Total number of connection points	5
Total number of potentials	5
Conductor entry direction to mating direction	0°

Geometrical Data

Pin spacing	4,4 mm / 0.173 inch
Width	35,5 mm / 1.398 inch
Height	17,5 mm / 0.689 inch
Depth	39,85 mm / 1.569 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	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 (1.5 mm ² /16 AWG)
Gehäuseblechstärke	0,5 ... 2 mm / 0.02 ... 0.079 inch
Mounting type	Snap-in
Marking	1 2 3 4 5
Protection class	IP40
Potential marking	1 2 3 4 5

Plug connection

Contact type (pluggable connector)	Female connector/socket
Connector connection type	for conductor

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



Mismating protection	Yes
Locking of plug-in connection	locking lever
Locking lever	yes

Material Data

Color	light green
Insulating material	Polyamide 66 (PA 66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)
Weight	8.9 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	PL
GTIN	4055143235945
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	EN 61984	71-100413
	CCA DEKRA Certification B.V.	EN 60320	2148952.04

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	DNV GL	-	TAE00001Z6

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

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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.890-275
Plug; 5-pole; 1,50 mm²; light greenwww.wago.com/890-275Item no.891-8995/005-105
pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. B; 1 m; 1,00 mm²; light greenwww.wago.com/891-8995/005-105Item no.891-8995/205-105
pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. B; 1 m; 1,00 mm²; light greenwww.wago.com/891-8995/205-105

Compatible products

protection

Item no.: 770-643
Lockout cap; 3-pole; for cutouts; Plastic; blackwww.wago.com/770-643Item no.: 770-693
Lockout cap; 3-pole; for cutouts; Plastic; whitewww.wago.com/770-693

tools

Item no.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaftwww.wago.com/210-719Item no.: 890-385
Operating tool; 5-way; greenwww.wago.com/890-385

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



Downloads

Documentation

Bid Text

890-765	Nov 30, 2018	doc	Download
doc - Datei		23.6 kB	
890-765	Feb 19, 2019	xml	Download
GAEB X81 - Datei		3.0 kB	

CAD/CAE-Data

CAD data

2D/3D Models 890-765	URL	Download
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CAE data

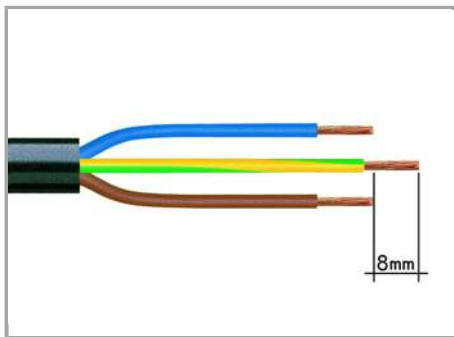
EPLAN Data Portal 890-765	URL	Download
WSCAD Universe 890-765	URL	Download

Installation Notes

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

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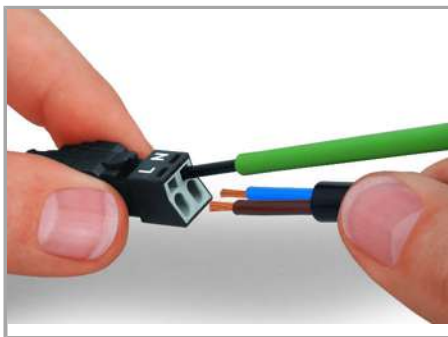
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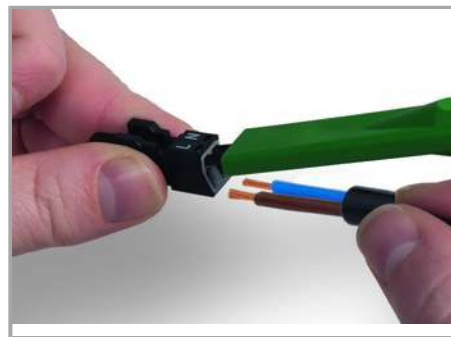
1. Strip length, outer insulation = 30 mm (2-pole), 37 mm (3-pole), 45 mm (4- and 5-pole)

2. Strip length = 9 mm

3. Extended ground conductor = 8 mm



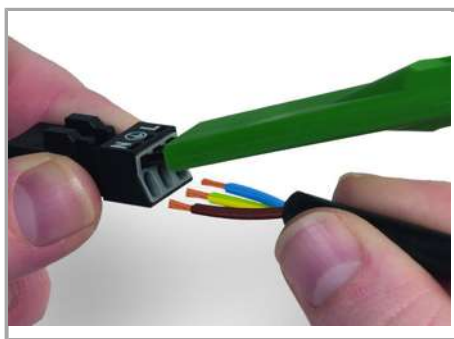
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits backstop. Terminate solid conductors by simply pushing them in.



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.

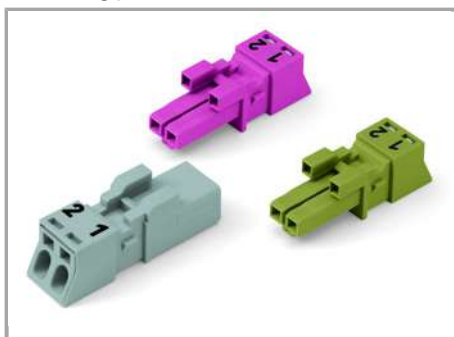
Subject to changes. Please also observe the further product documentation!



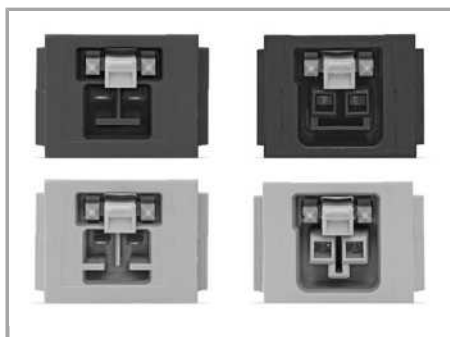
To terminate fine-stranded conductors, open clamping units via operating tool (890-383) and insert stripped conductors until they hit backstop.

Terminate solid conductors by simply pushing them in.

Mismatching 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.

Product family

<i>WINSTA</i>® MINI special

[Show all products from the family](#)

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