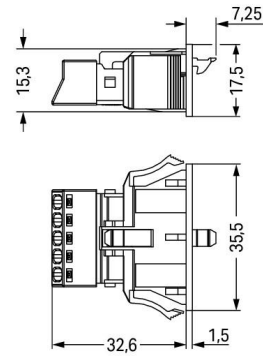
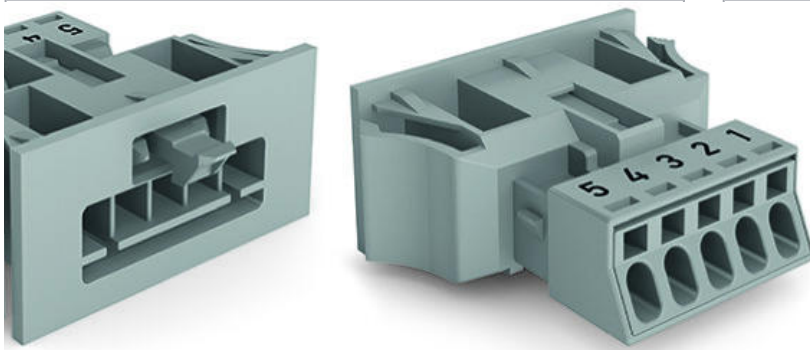


Data sheet | Item number: 890-795

Snap-in plug; 5-pole; Cod. B; 1,50 mm²; pink

www.wago.com/890-795



Picture differs from the item.

RoHS
Compliant



Color: ■

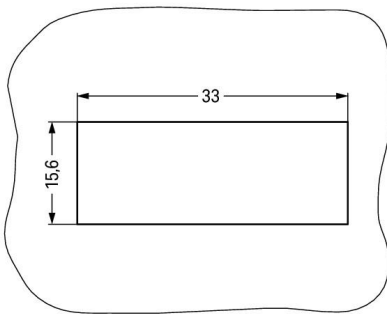


Plate thickness: 0.5 ... 2 mm
Cutout tolerance: + 0.1 mm

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

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

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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

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	400 V
Rated surge 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

Ratings per UL

Hinweis für den amerikanischen Markt

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.

Rated voltage UL 1977	600 V
Rated current UL 1977	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
Stranded conductor	0.25 ... 1 mm² / 22 ... 18 AWG
Fine-stranded conductor	0.25 ... 1.5 mm² / 22 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 0.75 mm² / 22 ... 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 0.75 mm² / 22 ... 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG
Strip length	9 mm / 0.35 inch
Note (strip length)	see also packaging or instructions

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Pole No.	5
Total number of connection points	5
Total number of potentials	5
Conductor entry direction to mating direction	0°

Physical 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

Application	Measurement and regulation technology
Coding	B
Marking	1 2 3 4 5
Potential marking	1 2 3 4 5
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
Housing sheet thickness	0.5 ... 2 mm / 0.02 ... 0.079 inch
Mounting type	Snap-in
Protection type	IP20
Note on protection type	IP40 when mated

Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for conductor
Mismating protection	Yes
Note on mismating protection	All WINSTA [®] 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
Hinweis zur Verriegelung	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

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



plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Material data

Color	pink
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)
Fire load	0.193 MJ
Weight	8.1 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

Packaging type	BOX
Country of origin	PL
GTIN	4055143235990
Customs tariff number	85366990990

Approvals / Certificates

Country specific Approvals



Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	EN 61984	71-112993
	CB DEKRA Certification B.V.	EN 61984	NL-64351
	CCA DEKRA Certification B.V.	EN 60320	2148952.04

Ship Approvals


Certificate

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






Logo	Approval	Additional Approval Text	name
	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.890-285 Socket; 5-pole; Cod. B; 1,50 mm ² ; pink	www.wago.com/890-285
	Item no.891-8995/005-107 pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. B; 1 m; 1,00 mm ² ; pink	www.wago.com/891-8995/005-107
	Item no.891-8995/105-107 pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. B; 1 m; 1,00 mm ² ; pink	www.wago.com/891-8995/105-107

Required accessories

tools

	Item no.: 890-385 Operating tool; 5-way; green	www.wago.com/890-385
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protection

	Item no.: 770-643 Lockout cap; 3-pole; for cutouts; Plastic; black	www.wago.com/770-643
	Item no.: 770-693 Lockout cap; 3-pole; for cutouts; Plastic; white	www.wago.com/770-693

Compatible products

tools

Item no.: 210-719

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

www.wago.com/210-719

Downloads

Documentation

Bid Text

890-795 doc - Datei	8. 6. 2015	doc 24.1 kB	Download
890-795 X81 - Datei	19. 2. 2019	xml 3.0 kB	Download

CAD/CAE-Data

CAD data

2D/3D Models 890-795	URL	Download
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CAE data

EPLAN Data Portal 890-795	URL	Download
ZUKEN Portal 890-795	URL	Download
WSCAD Universe 890-795	URL	Download

Environmental Product Compliance

Compliance Search

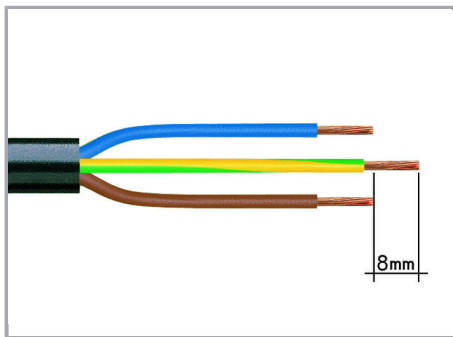
Environmental Product Compliance 890-795 Snap-in plug; 5-pole; Cod. B; 1,50 mm ² ; pink	URL	Download
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Installation Notes

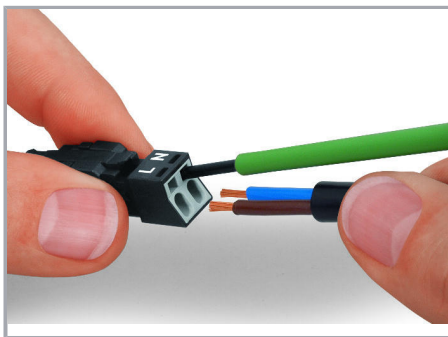
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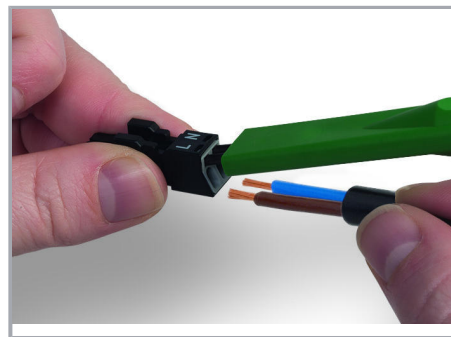
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1. Strip length, outer insulation = 30 mm (2-pole), 37 mm (3-pole), 45 mm (4- and 5-pole)
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm

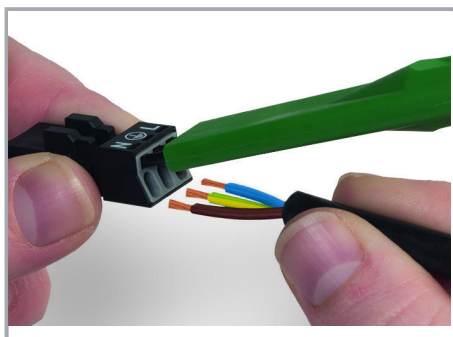


To terminate fine-stranded conductors, open the clamping unit via screwdriver – 2.5 mm blade width – and insert a stripped conductor until it hits the backstop. Terminate solid conductors by simply pushing them in.



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.

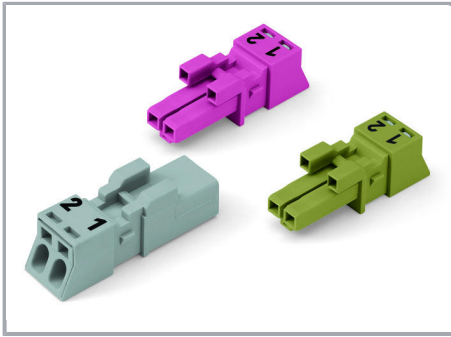


To terminate fine-stranded conductors, open clamping units via operating tool (890-383) and insert stripped conductors until they hit backstop.

Terminate solid conductors by simply pushing them in.

Mismatching protection

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

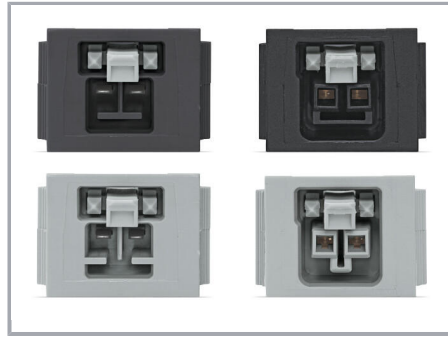


B-coded connectors with different colors can be plugged together.

Important note:

Different colors and/or pole markings are used for circuit identification.

Only connectors of the same color and same pole marking must 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.



Product family

<i>WINSTA</i>® MINI

[Show all products from the family](#)

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