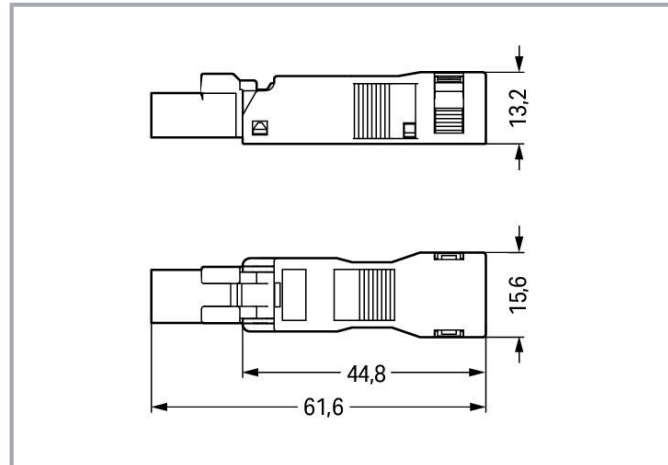
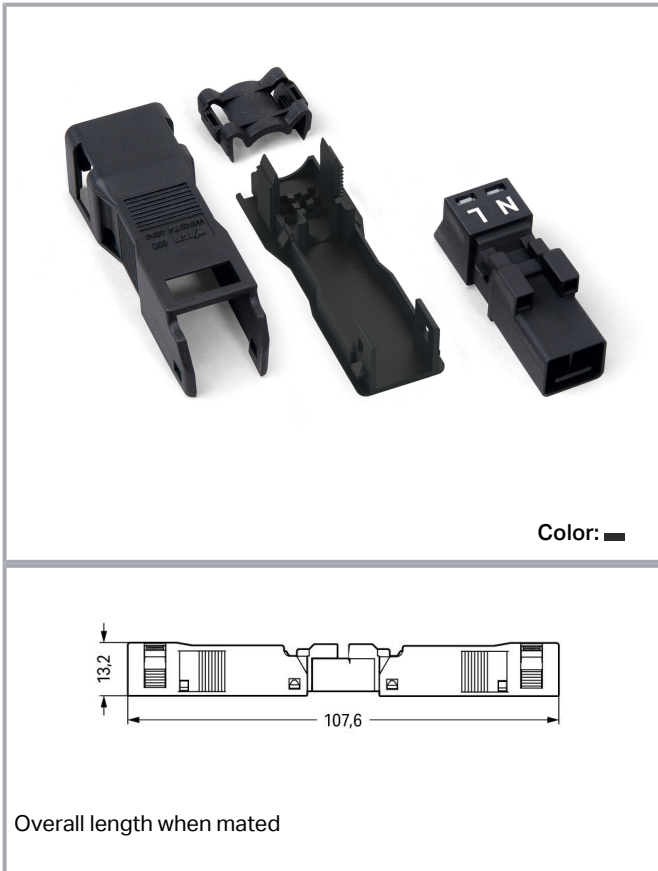


Data sheet | Item number: 890-112

Plug; with strain relief housing; 2-pole; 1,50 mm²; black

www.wago.com/890-112



Item description

- Set: Plug 890-212 and strain relief housing 890-502
- 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
- When assembled the installation connectors complies with IP40 and are suitable for easily accessible areas

Data

Electrical data

Note on contact resistance

approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact

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

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transition plug/socket

Ratings per IEC/EN

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

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	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
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
Connectable sheathed cable diameter	3.8 ... 8.2 mm
Conductor entry direction to mating direction	0°
Strip length (outer insulation)	32 mm

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



Physical data

Pin spacing	4.4 mm / 0.173 inch
Width	15.6 mm / 0.614 inch
Height	13.2 mm / 0.52 inch
Depth	61.6 mm / 2.425 inch

Mechanical data

Application	General mains applications
Coding	A
Marking	L N
Potential marking	L N
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
Protection type	IP40

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	Can be retrofitted
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 plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).
Strain relief	strain relief housing

Material data

Color	black
Insulation material	Polyamide (PA66)

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

Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)
Fire load	0.066 MJ
Weight	5.5 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	DE
GTIN	4045454232894
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
	CCA DEKRA Certification B.V.	IEC 61535	NL-64352

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	EN 61535	08/20047


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



Lloyds Register

(E2)

UL-Approvals

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

Counterpart

	Item no.890-102 Socket; with strain relief housing; 2-pole; Cod. A; 1,50 mm ² ; black	www.wago.com/890-102
	Item no.890-1606 T-distribution connector; 2-pole; Cod. A; 1 input; 2 outputs; 2 locking levers; black	www.wago.com/890-1606
	Item no.890-1615 T-distribution connector; 2-pole; Cod. A; 1 input; 2 outputs; 3 locking levers; for flying leads; black	www.wago.com/890-1615
	Item no.890-1634 h-distribution connector; 2-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 2 locking levers; black	www.wago.com/890-1634
	Item no.890-1636 h-distribution connector; 2-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; black	www.wago.com/890-1636
	Item no.890-202/342-000 Socket; with strain relief housing; 2-pole; Cod. A; 1,50 mm ² ; black	www.wago.com/890-202/342-000
	Item no.890-202 Socket; 2-pole; Cod. A; 1,50 mm ² ; black	www.wago.com/890-202
	Item no.890-702 Snap-in socket; 2-pole; Cod. A; 1,50 mm ² ; black	www.wago.com/890-702
	Item no.890-802 Socket for PCBs; straight; 2-pole; Cod. A; black	www.wago.com/890-802
	Item no.890-802/011-000 Socket for PCBs; angled; 2-pole; Cod. A; black	www.wago.com/890-802/011-000
	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

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

**Item no.891-8992/105-101**

pre-assembled connecting cable; Eca; Socket/open-ended; 2-pole; Cod. A; H05VV-F 2 x 1.0 mm²; 1 m; 1,00 mm²; black

www.wago.com/891-8992/105-101

Required accessories**tools****Item no.: 890-382**

Operating tool; 2-way; green

www.wago.com/890-382

Locking lever**Item no.: 890-101**

Locking lever; for manual operation; black

www.wago.com/890-101

**Item no.: 890-111**

Locking lever; for flying leads; for tool operation; black

www.wago.com/890-111

**Item no.: 890-121**

Locking lever; for manual operation; white

www.wago.com/890-121

**Item no.: 890-131**

Locking lever; for flying leads; for tool operation; white

www.wago.com/890-131

assembling**Item no.: 890-310**

Mounting carrier; 2- to 5-pole; for flying leads; black

www.wago.com/890-310

**Item no.: 890-311**

Mounting carrier; 2- to 5-pole; for flying leads; white

www.wago.com/890-311

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

protection**Item no.: 897-2001**

Protective cap; Type1; for sockets and plugs; PVC; red

www.wago.com/897-2001

Downloads**Documentation****Bid Text**

890-112

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Environmental Product Compliance

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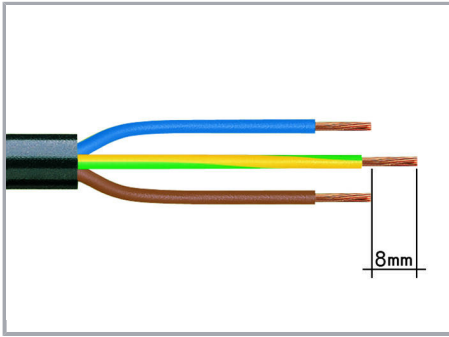
Plug; with strain relief housing; 2-pole; 1,50 mm²; black

Installation Notes

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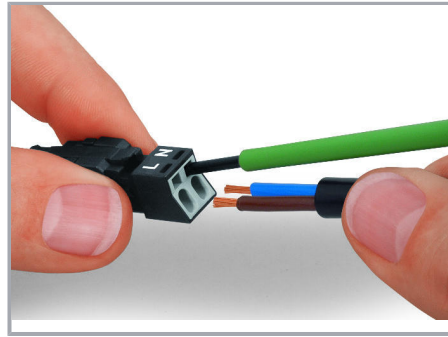
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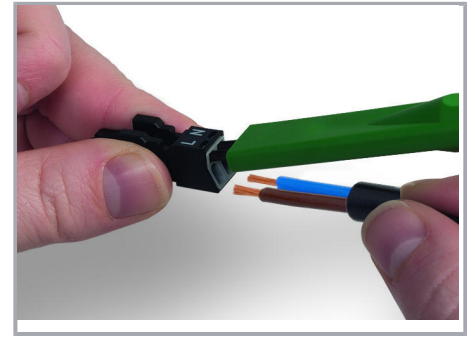
1. Strip length, outer insulation = 30 mm (2-pole), 37 mm (3-pole), 45 mm (4- and 5-pole)

2. Strip length = 9 mm

3. Extended ground conductor = 8 mm



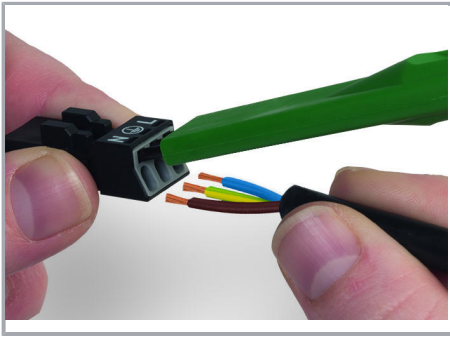
To terminate fine-stranded conductors, open the clamping unit via screwdriver – 2.5 mm blade width – and insert a stripped conductor until it hits the backstop. Terminate solid conductors by simply pushing them in.



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.

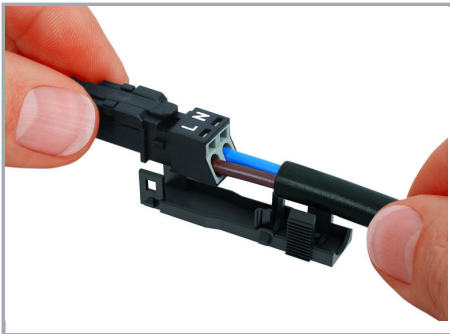
Subject to changes. Please also observe the further product documentation!



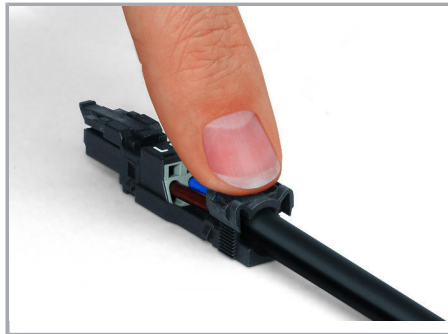
To terminate fine-stranded conductors, open clamping units via operating tool (890-383) and insert stripped conductors until they hit backstop.

Terminate solid conductors by simply pushing them in.

Installation



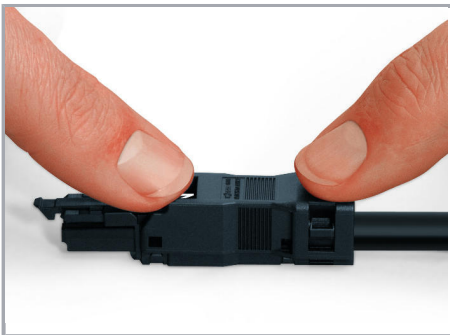
Latch the wired connector into the base of the strain relief housing.



Push down strain relief clamp by hand.

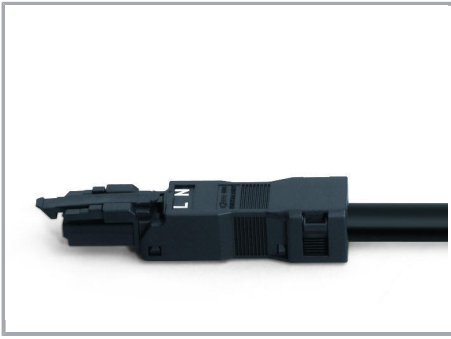


Push down strain relief clamp with 2.5 mm screwdriver alternately on both sides.



Latch the top of the strain relief housing.

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



The printed marking of the connector is clearly visible in the openings of the strain relief housing.

Product family

WINSTA® MINI

[Show all products from the family](#)

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