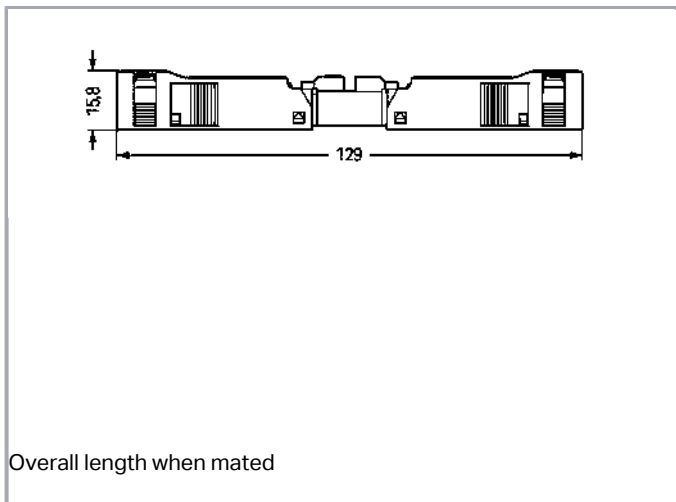
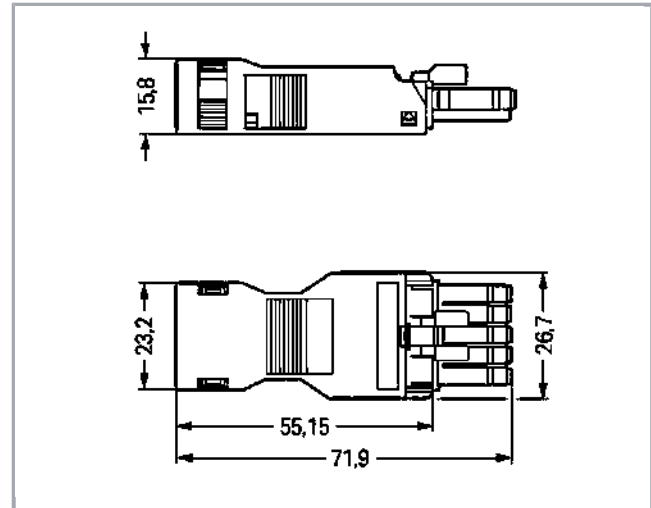


Data sheet | Item number: 890-125

Socket; with strain relief housing; 5-pole; Cod. A; 1,50 mm²; white

www.wago.com/890-125



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
- 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
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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 |
|----------------------------|---|

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 | 13 A |
| 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 |
| Stranded conductor | 0,25 ... 1 mm² / 22 ... 18 AWG |

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

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



| | |
|---|---|
| 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 |
| Connectable sheathed cable diameter | 6,5 ... 10,5 mm |
| Conductor entry direction to mating direction | 0° |
| Strip length | 45 mm |

Geometrical Data

| | |
|-------------|----------------------|
| Pin spacing | 4,4 mm / 0.173 inch |
| Width | 26,7 mm / 1.051 inch |
| Height | 15,8 mm / 0.622 inch |
| Depth | 71,9 mm / 2.831 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 (1.5 mm ² /AWG 16) |
| Marking | N 1 2 3 |
| Protection class | IP40 |
| Potential marking | N 1 2 3 |
| Application | General mains applications |

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 | retrofitable |
| Strain relief | strain relief housing |

Material Data

| | |
|--------------------------|--|
| Color | white |
| Insulating material | Polyamide 66 (PA 66) |
| Clamping spring material | Chrome nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy (surface-treated) |
| Fire load | 0.293 MJ |
| Weight | 12 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

| | |
|--------------------|---------------|
| Product Group | 20 (WINSTA) |
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4045454232986 |
| Customs Tariff No. | 85366990990 |

Approvals / Certificates

Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------|--------------------------|------------------|
|  | CCA DEKRA Certification B.V. | EN 61535 | 71- 102984 |

Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
| | ABS | Steel Vessel Rules | 19- |

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



American Bureau of Shipping

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.890-235
 Plug; 5-pole; 1,50 mm²; white
www.wago.com/890-235
Item no.890-135
 Plug; with strain relief housing; 5-pole; 1,50 mm²; white
www.wago.com/890-135
Item no.890-671
 T-distribution connector; 5-pole; Cod. A; 1 input; 2 outputs; 2 locking levers; white
www.wago.com/890-671
Item no.890-672
 T-distribution connector; 5-pole; Cod. A; 1 input; 2 outputs; 3 locking levers; for flying leads; white
www.wago.com/890-672
Item no.890-735
 Snap-in plug; 5-pole; Cod. A; 1,50 mm²; white
www.wago.com/890-735

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

**Item no.890-835**

Plug for PCBs; straight; 5-pole; Cod. A

www.wago.com/890-835**Item no.890-835/011-000**

Plug for PCBs; angled; 5-pole; Cod. A

www.wago.com/890-835/011-000**Item no.890-979**

h-distribution connector; 5-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 2 locking levers; white

www.wago.com/890-979**Item no.890-980**

h-distribution connector; 5-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; white

www.wago.com/890-980**Item no.891-8995/006-102**

pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. A; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; white

www.wago.com/891-8995/006-102**Item no.891-8995/206-102**

pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. A; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; white

www.wago.com/891-8995/206-102

Compatible products

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

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

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

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.

shield connection



Item no.: 890-526

Shield connecting plate; 5-pole; for sockets

www.wago.com/890-526

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.: 890-385

Operating tool; 5-way; green

www.wago.com/890-385

Downloads

Documentation

Bid Text

| | | | |
|------------------|--------------|---------|----------|
| 890-125 | Jun 8, 2015 | doc | Download |
| doc - Datei | | 24.1 kB | |
| 890-125 | Feb 19, 2019 | xml | Download |
| GAEB X81 - Datei | | 3.1 kB | |

CAD/CAE-Data

CAD data

| | | |
|----------------------|-----|----------|
| 2D/3D Models 890-125 | URL | Download |
|----------------------|-----|----------|

CAE data

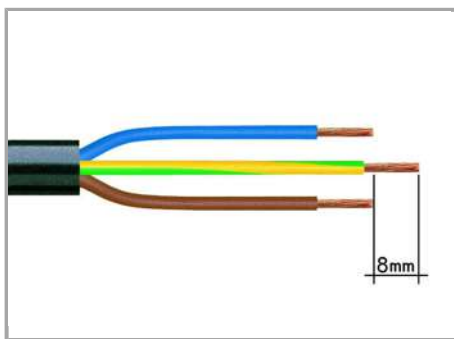
| | | |
|------------------------|-----|----------|
| WSCAD Universe 890-125 | URL | Download |
|------------------------|-----|----------|

Installation Notes

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

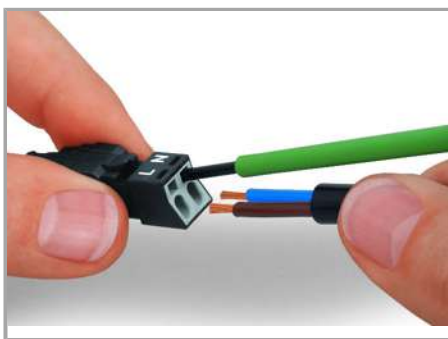
Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.



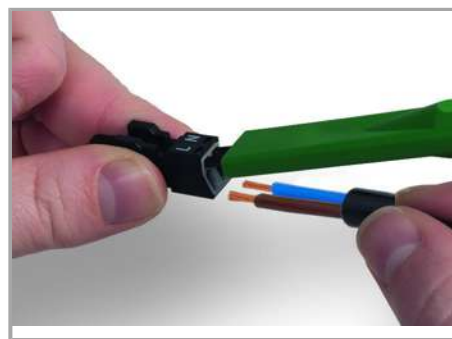
1. Strip length, outer insulation = 30 mm (2-pole), 37 mm (3-pole), 45 mm (4- and 5-pole)

2. Strip length = 9 mm

3. Extended ground conductor = 8 mm



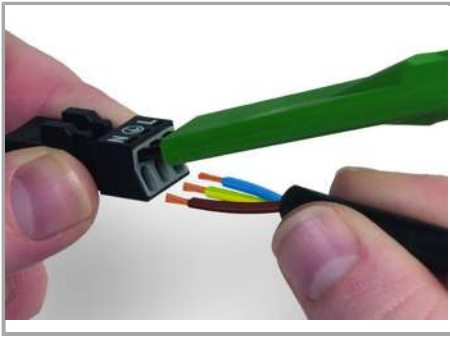
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits backstop. Terminate solid conductors by simply pushing them in.



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.

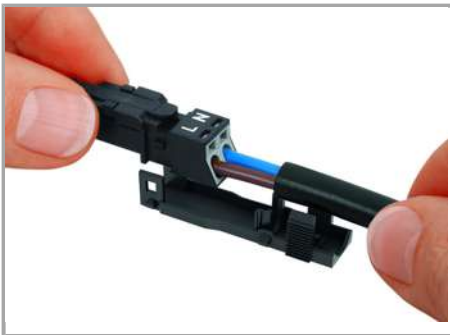
Subject to changes. Please also observe the further product documentation!



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.

Installation



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



Push down strain relief clamp by hand.



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

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



Latch the top of the strain relief housing.



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

Shield Connection



Connector with shield termination



Apply the shield to the rubber cable.



Push the shield connecting plate into the connector until fully inserted.

Strip length, outer insulation = 30 mm

Shield length = 8 mm

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



First insert wired connector into strain relief housing, then snap the clamp and cover.

Product family

<i>WINSTA</i>® MINI

[Show all products from the family](#)

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

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