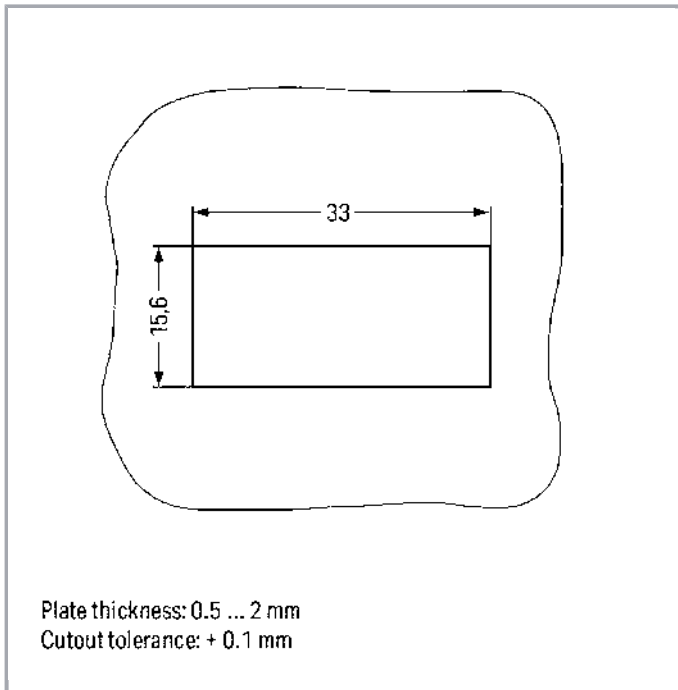
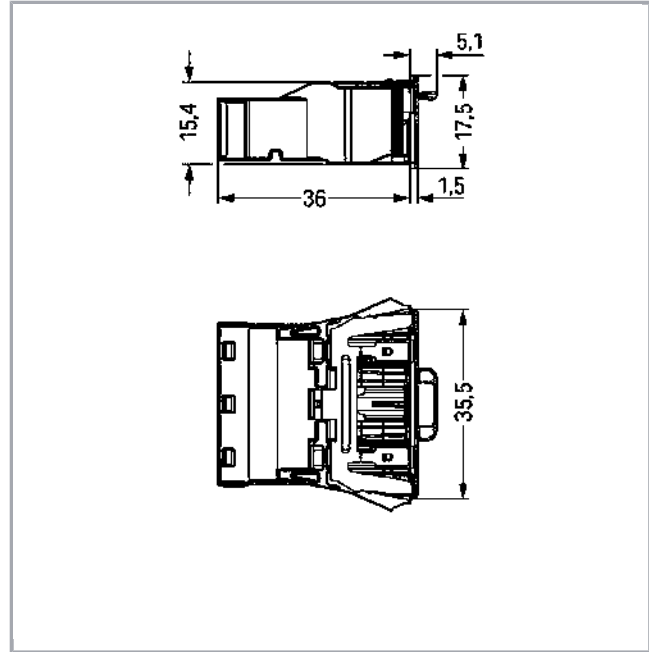
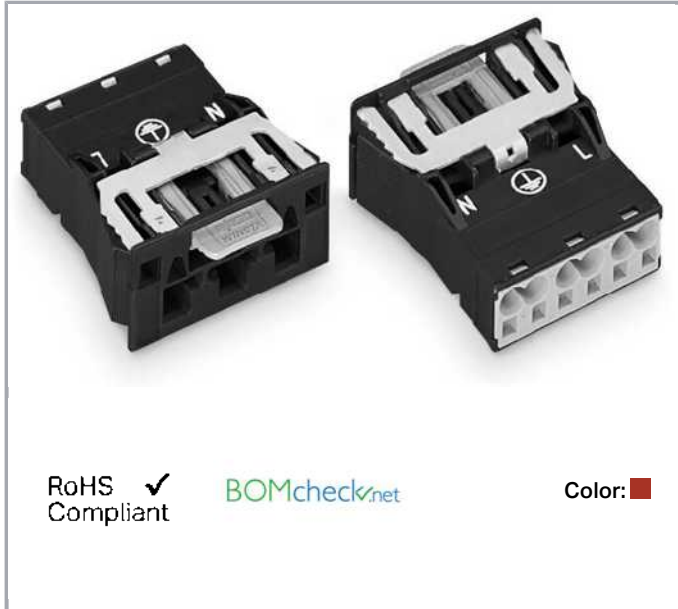


Data sheet | Item number: 770-2313/007-000

Snap-in plug; with direct ground contact; 3-pole; Cod. P; 4,00 mm²; red

www.wago.com/770-2313_007-000



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.



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
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

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 16 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) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 25 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) | 23 A |

Connection data

Connection technology

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.



| | Push-in CAGE CLAMP® |
|---|------------------------------------|
| Actuation type | Operating tool Push-in |
| Nominal cross section | 4 mm² |
| Solid conductor | 0,5 ... 4 mm² / 20 ... 12 AWG |
| Solid conductor, push-in termination | 1,5 ... 4 mm² / 16 ... 12 AWG |
| Stranded conductor | 0,5 ... 2,5 mm² / 20 ... 14 AWG |
| Fine-stranded conductor | 0,5 ... 4 mm² / 20 ... 12 AWG |
| Fine-stranded conductor with ferrule with plastic collar | 0,25 ... 1,5 mm² / 20 ... 16 AWG |
| Fine-stranded conductor with ferrule without plastic collar | 0,25 ... 2,5 mm² / 20 ... 14 AWG |
| Fine-stranded conductor with ferrule, push-in termination, from | 1,5 mm² / 16 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 | 6 |
| Total number of potentials | 3 |
| Ground function | with preceding ground contact |
| Conductor entry direction to mating direction | 0° |

Geometrical Data

| | |
|-------------|----------------------|
| Pin spacing | 10 mm / 0.394 inch |
| Width | 35,5 mm / 1.398 inch |
| Height | 17,5 mm / 0.689 inch |
| Depth | 36 mm / 1.417 inch |

Mechanical data

| | |
|--|---|
| Coding | P |
| 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 $I_N = 25$ A, tested (4 mm²/AWG 12) |
| Gehäuseblechstärke | 0,5 ... 2 mm / 0.02 ... 0.079 inch |
| Direct ground contact to DIN-rail/drilled hole/housing | 1 |

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.



| | |
|--------------------------|---|
| Design | with direct ground contact |
| Mounting type | Snap-in |
| Marking | L N |
| Protection class | IP20 |
| Note on protection class | Only when mated (these compact connectors are not designed for use in open, easily accessible areas). |
| Potential marking | L N |
| Application | Computer applications (UPS) |

Plug connection

| | |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector connection type | for conductor |
| Mismating protection | Yes |
| Locking of plug-in connection | locking lever |
| Locking lever | yes |

Material Data

| | |
|--------------------------|--|
| Color | red |
| Insulating material | Polyamide 66 (PA 66) |
| Clamping spring material | Chrome nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy (surface-treated) |
| Fire load | 0.25 MJ |
| Weight | 13.4 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 | 4045454534639 |
| Customs Tariff No. | 85366990990 |


Approvals / Certificates

Country specific Approvals



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.

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | CCA DEKRA Certification B.V. | EN 61535 | 2173495.02 |




Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---|--------------------------|------------------|
|  | ABS American Bureau of Shipping | - | 19-HG1868589-PDA |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001Z6 |

UL-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | cURus Underwriters Laboratories Inc. | UL 1977 | E45171 Sec. 9 |

Counterpart

| | | |
|--|---|--|
|  | Item no.770-1303 Socket; 3-pole; Cod. P; 4,00 mm ² ; red | www.wago.com/770-1303 |
|  | Item no.771-9973/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. P; H05VV-F 3G 1.5 mm ² ; 1 m; 1,50 mm ² ; red | www.wago.com/771-9973/006-101 |
|  | Item no.771-9973/106-101 pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. P; H05VV-F 3G 1.5 mm ² ; 1 m; 1,50 mm ² ; red | www.wago.com/771-9973/106-101 |

Compatible products

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.

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.: 770-383**

Operating tool; 3-way; green

www.wago.com/770-383

Coding

**Item no.: 770-401**

Coding pin; for plugs; Plastic; gray

www.wago.com/770-401

protection

**Item no.: 770-360**

Lockout cap; for plugs; 5-pole; separable; yellow

www.wago.com/770-360**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

Downloads

Documentation

Bid Text

| | | | |
|--------------------------------------|--------------|----------------|----------|
| 770-2313/007-000 doc - Datei | Jun 8, 2015 | doc 24.1 kB | Download |
| 770-2313/007-000 GAEB X81 - Datei | Feb 19, 2019 | xml 3.0 kB | Download |

CAD/CAE-Data

CAE data

| | | |
|------------------------------------|-----|----------|
| EPLAN Data Portal 770-2313/007-000 | URL | Download |
| WSCAD Universe 770-2313/007-000 | URL | Download |

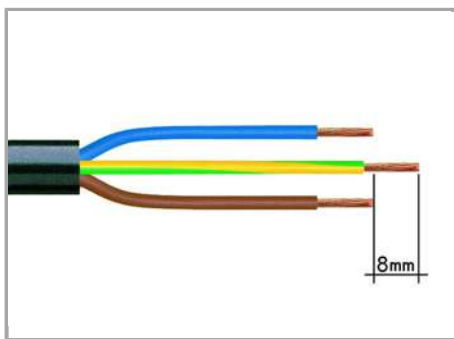
Installation Notes

Conductor termination

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

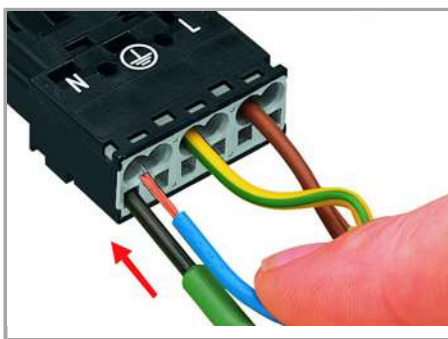
Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



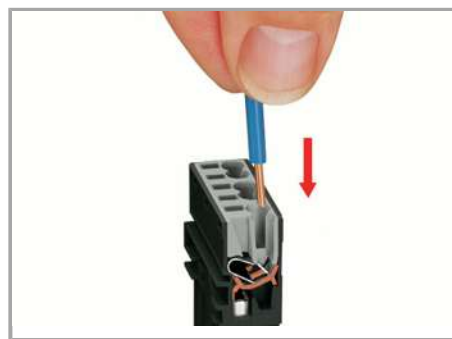
1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)

2. Strip length = 9 mm

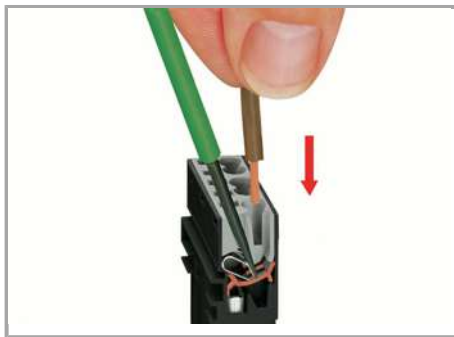
3. Extended ground conductor = 8 mm



To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert stripped conductor until it hits backstop.



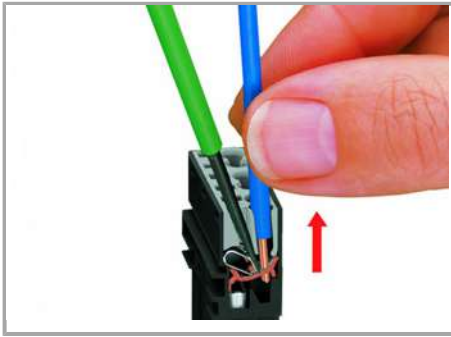
Insert stripped solid conductor until it hits backstop.



To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert stripped conductor until it hits backstop.

Conductor removal

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



To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.



Varnish-piercing direct ground contact

Product family

WINSTA® MIDI

[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.