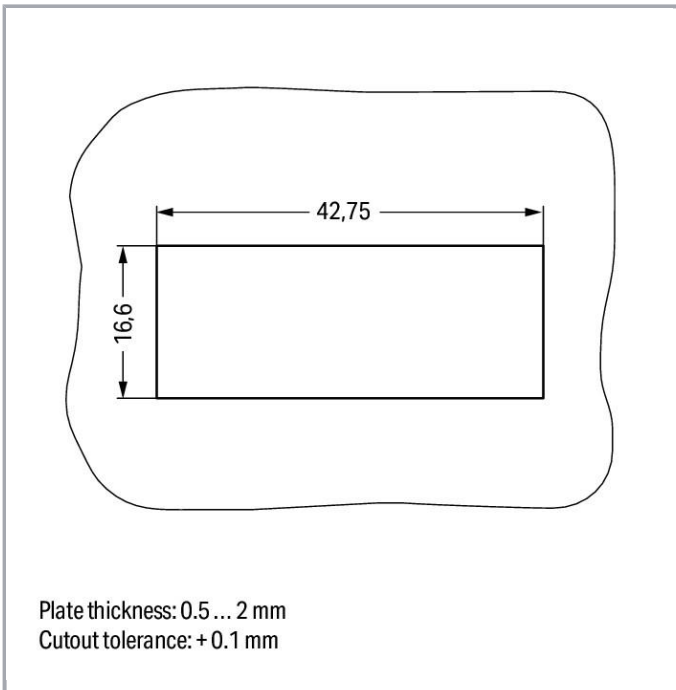
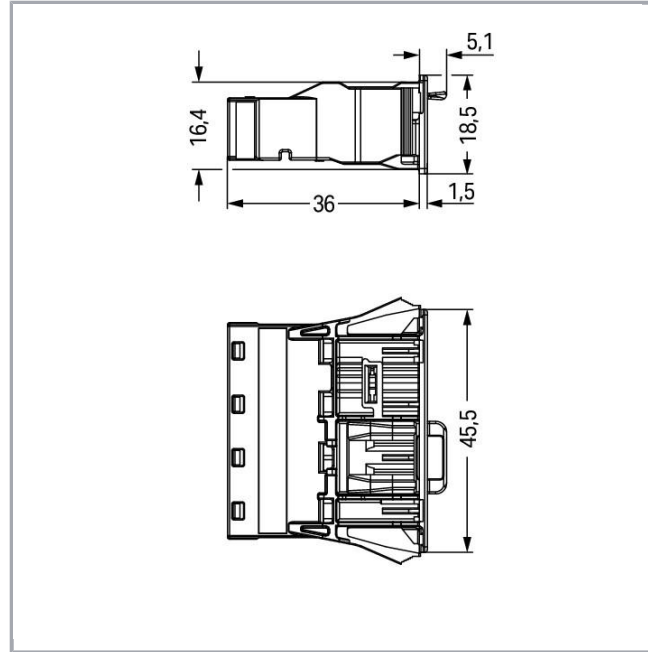
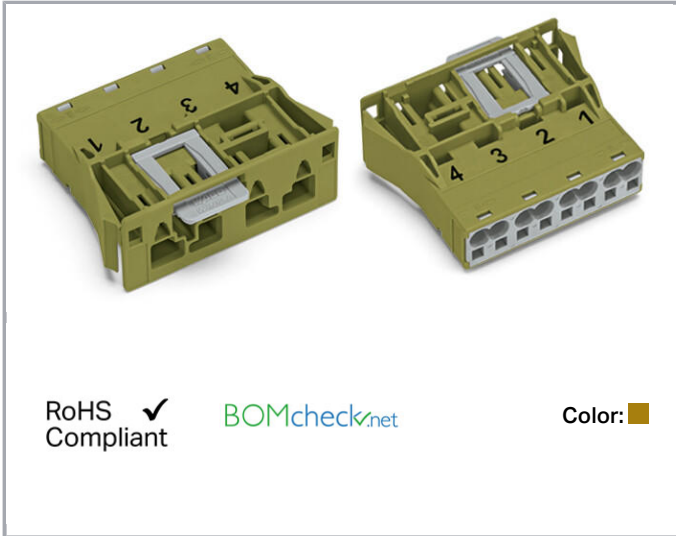


Data sheet | Item number: 770-774

Snap-in plug; 4-pole; Cod. B; 4,00 mm²; light green

www.wago.com/770-774



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

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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
- Components can be clearly printed on and color-coded to meet custom requirements

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) | 400 V |
| Rated impulse voltage (III / 3) | 6 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 |

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Connection data

| | |
|---|--|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Operating tool Push-in |
| Nominal cross section | 4 mm ² |
| Solid conductor | 0,5 ... 4 mm ² / 20 ... 12 AWG |
| Solid conductor, push-in termination | 1,5 ... 4 mm ² / 16 ... 12 AWG |
| Stranded conductor | 0,5 ... 2,5 mm ² / 20 ... 14 AWG |
| Fine-stranded conductor | 0,5 ... 4 mm ² / 20 ... 12 AWG |
| Fine-stranded conductor with ferrule with plastic collar | 0,25 ... 1,5 mm ² / 20 ... 16 AWG |
| Fine-stranded conductor with ferrule without plastic collar | 0,25 ... 2,5 mm ² / 20 ... 14 AWG |
| Fine-stranded conductor with ferrule, push-in termination, from | 1,5 mm ² / 16 AWG |
| Strip length | 9 mm / 0.35 inch |
| Note (strip length) | see also packaging or instructions |
| No. of poles | 4 |
| Total number of connection points | 8 |
| Total number of potentials | 4 |
| Conductor entry direction to mating direction | 0° |

Geometrical Data

| | |
|-------------|----------------------|
| Pin spacing | 10 mm / 0.394 inch |
| Width | 45,5 mm / 1.791 inch |
| Height | 18,5 mm / 0.728 inch |
| Depth | 36 mm / 1.417 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 $I_N = 25$ A, tested (4 mm ² /AWG 12) |
| Gehäuseblechstärke | 0,5 ... 2 mm / 0.02 ... 0.079 inch |

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



| | |
|--------------------------|---|
| Mounting type | Snap-in |
| Marking | 1 2 3 4 |
| 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 | 1 2 3 4 |

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 | light green |
| Insulating material | Polyamide 66 (PA 66) |
| Clamping spring material | Chrome nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy (surface-treated) |
| Fire load | 0.301 MJ |
| Weight | 15.9 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

| | |
|--------------------|---------------|
| Product Group | 20 (WINSTA) |
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4050821458197 |
| Customs Tariff No. | 85366990990 |

Approvals / Certificates


Country specific Approvals

Certificate




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

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| Logo | Approval | Additional Approval Text | name |
|--|--|--------------------------|------------|
|  | CCA DEKRA Certification B.V. | EN 61984 | 2173495.01 |
| | CCA DEKRA Certification B.V. | IEC 61984 | NL-32104 |




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 |
|  | LR Lloyds Register | IEC 61984 | 02/20050 (E6) |

UL-Approvals

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

Counterpart

| | | |
|--|--|--|
|  | Item no.770-264 Socket; 4-pole; Cod. B; 4,00 mm ² ; light green | www.wago.com/770-264 |
|  | Item no.771-9994/005-105 pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. B; H05VV-F 4 x 1.0 mm ² ; 1 m; 1,00 mm ² ; light green | www.wago.com/771-9994/005-105 |
|  | Item no.771-9994/105-105 pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0 mm ² ; 1 m; 1,00 mm ² ; light green | www.wago.com/771-9994/105-105 |

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

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

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.: 770-644

Lockout cap; 4-pole; for cutouts; Plastic; black

www.wago.com/770-644



Item no.: 770-694

Lockout cap; 4-pole; for cutouts; Plastic; white

www.wago.com/770-694

Downloads

CAD/CAE-Data

CAD data

2D/3D Models 770-774

[URL](#)

[Download](#)

CAE data

EPLAN Data Portal 770-774

[URL](#)

[Download](#)

WSCAD Universe 770-774

[URL](#)

[Download](#)

Installation Notes

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

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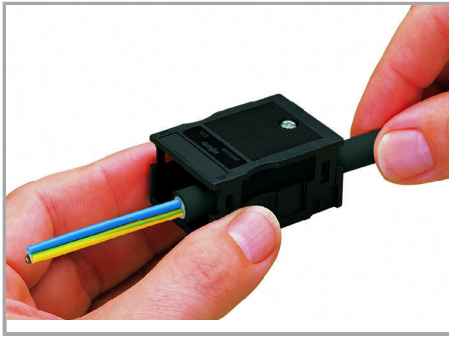
32423 Minden

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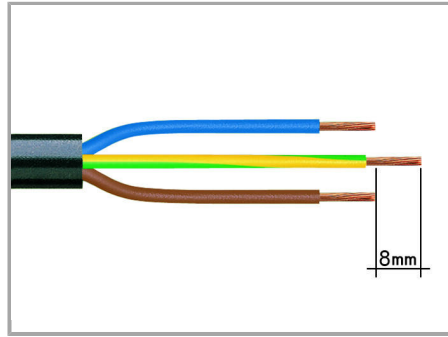
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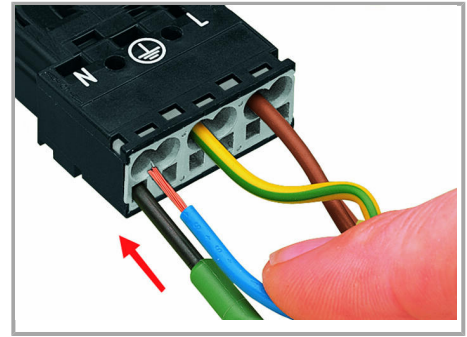
We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.



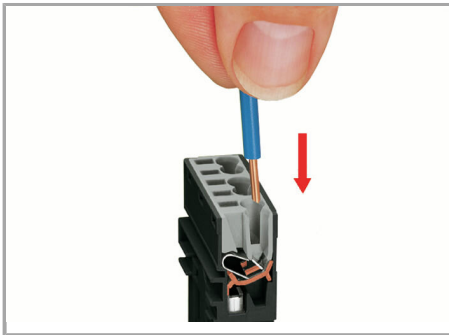
1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)

2. Strip length = 9 mm

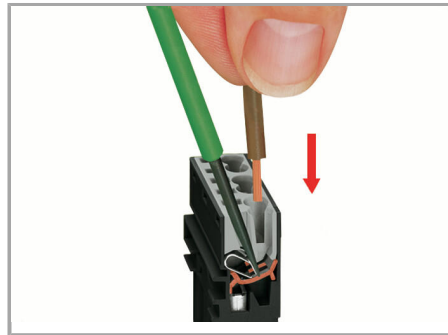
3. Extended ground conductor = 8 mm



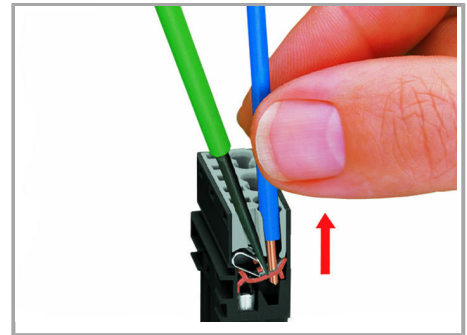
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert stripped conductor until it hits backstop.



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.



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

Product family

WINSTA® MIDI special

[Show all products from the family](#)

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