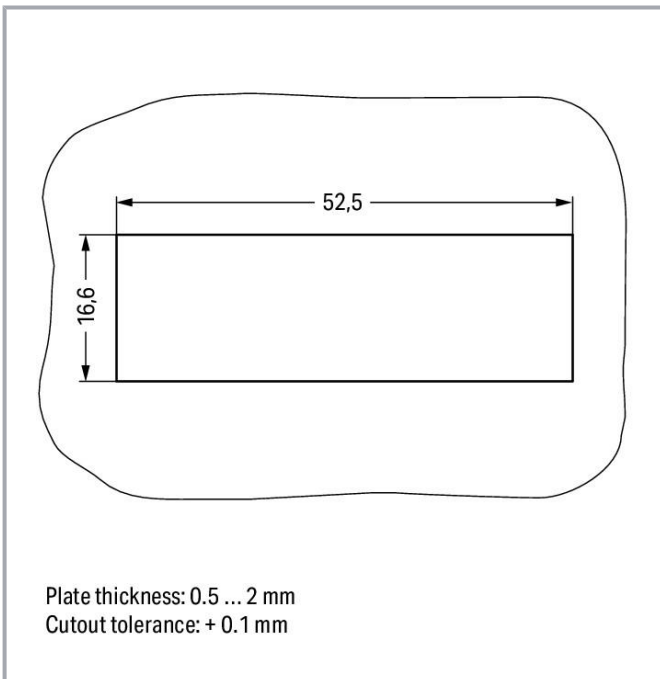
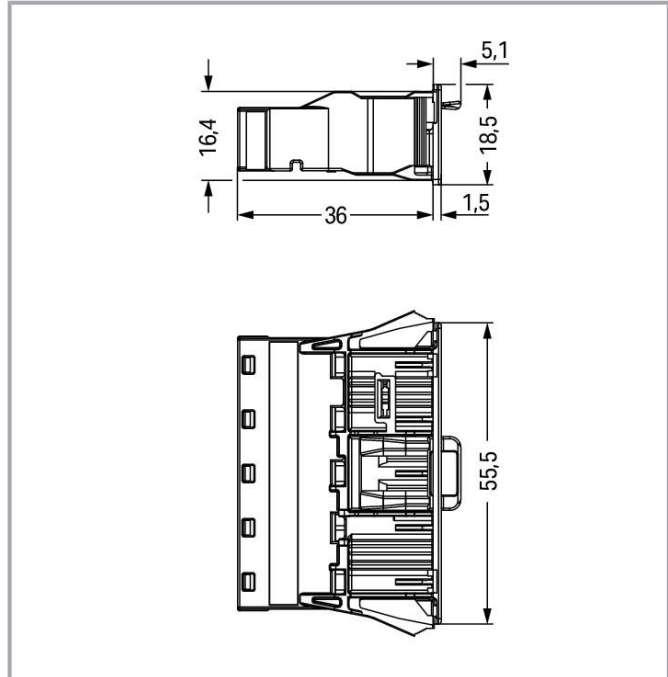
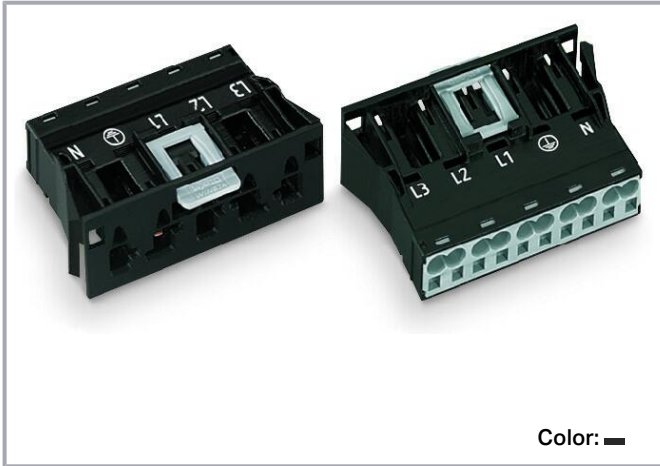


Data sheet | Item number: 770-715

Snap-in plug; 5-pole; Cod. A; 4,00 mm²; black

www.wago.com/770-715



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

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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 connections per pole for loops or bridges
- Additional variable coding is possible.

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 | 25 A |
| Legend (ratings) | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

Ratings per UL

| | |
|--------------------------------------|--|
| Hinweis für den amerikanischen Markt | 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. |
| Rated voltage UL 1977 | 600 V |
| Rated current UL 1977 | 23 A |

Connection data

| | |
|-----------------------------------|--------------------------|
| Total number of connection points | 10 |
| Total number of potentials | 5 |
| Ground function | preceding ground contact |

Connection 1

| | |
|-----------------------|---------------------------|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Operating tool Push-in |

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



| | |
|--|--|
| 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 insulated ferrule | 0.25 ... 1.5 mm ² / 20 ... 16 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 2.5 mm ² / 20 ... 14 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 1.5 mm ² / 16 AWG |
| Strip length | 9 mm / 0.35 inch |
| Pole No. | 5 |
| Conductor entry direction to mating direction | 0° |

Physical data

| | |
|-------------|----------------------|
| Pin spacing | 10 mm / 0.394 inch |
| Width | 55.5 mm / 2.185 inch |
| Height | 18.5 mm / 0.728 inch |
| Depth | 36 mm / 1.417 inch |

Mechanical data

| | |
|---|---|
| Application | General mains applications |
| Coding | A |
| Marking | N ∇ L1 L2 L3 |
| Potentialkennzeichnung | N ∇ L1 L2 L3 |
| 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 class | IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

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 |

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



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

Material data

| | |
|--------------------------|--|
| Note on material data | Information on material data can be found here |
| Color | black |
| Insulation material | Polyamide (PA66) |
| Clamping spring material | Chrome nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy (surface-treated) |
| Fire load | 0.402 MJ |
| Weight | 19.3 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) |
| PU (SPU) | 50 Each |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4055143375870 |
| Customs tariff number | 85366990990 |

Approvals / Certificates


Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
|------|----------|--------------------------|------------------|



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| | | | |
|--|---------------------------------|-----------|------------|
|  | CCA DEKRA Certification B.V. | EN 61535 | 2173495.02 |
| | CCA DEKRA Certification B.V. | IEC 61535 | NL-32105 |





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 |

Counterpart

| | | |
|--|--|--|
|  | Item no.770-105 Socket; with strain relief housing; 5-pole; Cod. A; 4,00 mm ² ; black | www.wago.com/770-105 |
|  | Item no.770-205 Socket; 5-pole; Cod. A; 4,00 mm ² ; black | www.wago.com/770-205 |
|  | Item no.770-405 Socket; 5-pole; Cod. A; 4,00 mm ² ; black | www.wago.com/770-405 |
|  | Item no.771-9995/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. A; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; black | www.wago.com/771-9995/006-101 |

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



Item no. 770-305
Socket; with strain relief housing; 5-pole; Cod. A; 4,00 mm²; black

www.wago.com/770-305



Item no. 771-9995/106-101
pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. A; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; black

www.wago.com/771-9995/106-101

Optional accessories

Tool

Operating tool



Item no.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-719

Downloads

Documentation

Bid Text

| | | | |
|------------------------|--------------|---------------|----------|
| 770-715 X81 - Datei | Feb 19, 2019 | xml 3.0 kB | Download |
|------------------------|--------------|---------------|----------|

| | | | |
|------------------------|-------------|----------------|----------|
| 770-715 doc - Datei | Jun 8, 2015 | doc 23.6 kB | Download |
|------------------------|-------------|----------------|----------|

Additional Information

| | | | |
|--|--|-----------------|----------|
| | | pdf 126.2 kB | Download |
|--|--|-----------------|----------|

CAD/CAE-Data

CAD data

| | | | |
|----------------------|--|-----|----------|
| 2D/3D Models 770-715 | | URL | Download |
|----------------------|--|-----|----------|

CAE data

| | | | |
|----------------------|--|-----|----------|
| ZUKEN Portal 770-715 | | URL | Download |
|----------------------|--|-----|----------|

| | | | |
|------------------------|--|-----|----------|
| WSCAD Universe 770-715 | | URL | Download |
|------------------------|--|-----|----------|

| | | | |
|---------------------------|--|-----|----------|
| EPLAN Data Portal 770-715 | | URL | Download |
|---------------------------|--|-----|----------|

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Environmental Product Compliance

Compliance Search

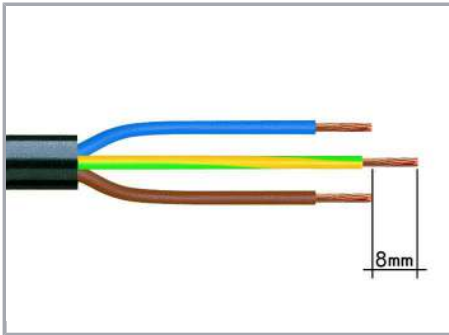
Environmental Product Compliance 770-715
Snap-in plug; 5-pole; Cod. A; 4,00 mm²; black

URL

Download

Installation Notes

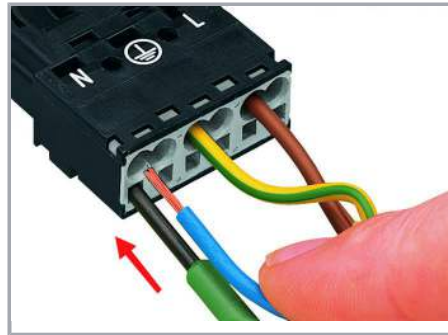
Conductor termination



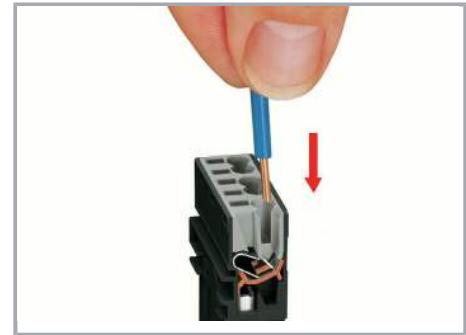
1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)

2. Strip length = 9 mm

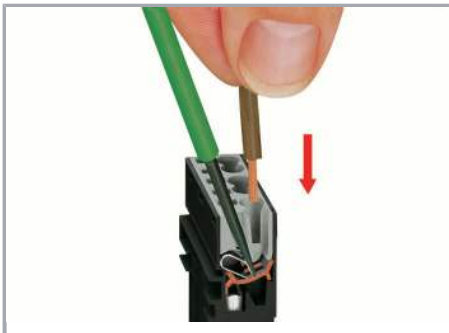
3. Extended ground conductor = 8 mm



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



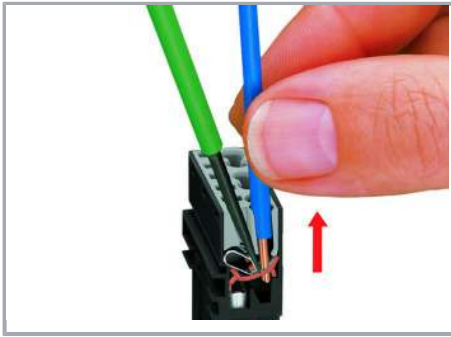
Insert the stripped solid conductor until it hits the backstop.



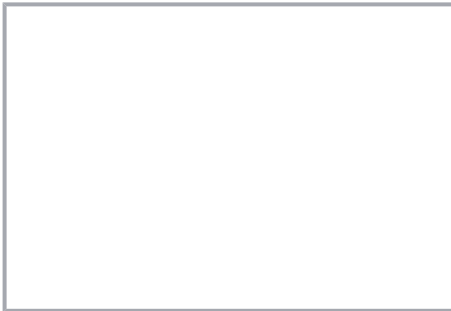
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.

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.



Seal unused cutout with lockout cap.

Product family

WINSTA® MIDI

[Show all products from the family](#)

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