

Data sheet | Item number: 770-713/006-000

Snap-in plug; without locking lever; 3-pole; Cod. A; 4,00 mm²; black

www.wago.com/770-713_006-000



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).

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.

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

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

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Data

Electrical data

| | |
|----------------------------|--|
| Note on contact resistance | approx. 1m Ω contact resistance approx. 0.25m Ω contact transition plug/socket |
|----------------------------|--|

IEC Approvals

| | |
|-----------------------------|--|
| Rated voltage (III / 3) | 250 V |
| Rated surge voltage (III/3) | 4 kV |
| Rated current | 25 A |
| Legend (ratings) | (III / 3) Δ Overvoltage category III / Pollution degree 3 |

Ratings per UL

| | |
|-----------------------|-------|
| Rated voltage UL 1977 | 600 V |
| Rated current UL 1977 | 23 A |

Connection data

| | |
|---|--|
| 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 ... 12 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 |
| Strip length | 9 mm / 0.35 inch |
| Pole No. | 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° |

Physical data

| | |
|-------------|----------------------|
| Pin spacing | 10 mm / 0.394 inch |
| Height | 17.5 mm / 0.689 inch |

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Mechanical data

| | |
|---|--|
| 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 | When locked: > 80 N |
| Unmating force of a plug-in connection | When 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) |
| Housing sheet thickness | 0.5 ... 2 mm / 0.02 ... 0.079 inch |
| Mounting type | Snap-in |
| Protection type | IP20 |
| Note on protection type | Only in mated condition with strain relief housing (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 conductors |
| Mismating protection | Yes |
| Locking lever | no |
| Locking of plug-in connection | locking lever |

Material data

| | |
|--------------------------|---|
| Color | black |
| Insulation material | Polyamide 66 (PA 66) |
| Clamping spring material | Chrome nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy, surface-treated |
| Fire load | 0.245 MJ |
| Weight | 11.7 g |

Environmental requirements

| | |
|----------------------------------|----------------|
| Processing temperature | -5 ... +40 °C |
| Continuous operating temperature | -35 ... +85 °C |

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Note on continuous operating temperature


Insulating parts for temperatures $\leq 105^{\circ}\text{C}$

Commercial data

| | |
|-----------------------|---------------|
| Product Group | 20 (WINSTA) |
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4044918254205 |
| Customs tariff number | 85366990990 |

Approvals / Certificates

UL-Approvals

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

Counterpart



Item no.770-103

Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; black

www.wago.com/770-103



Item no.770-203

Socket; 3-pole; Cod. A; 4,00 mm²; black

www.wago.com/770-203



Item no.770-203/035-000

Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; black

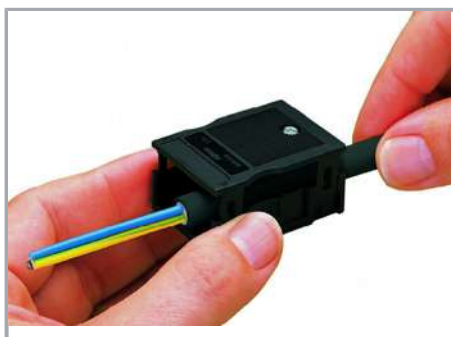
www.wago.com/770-203/035-000

Installation Notes

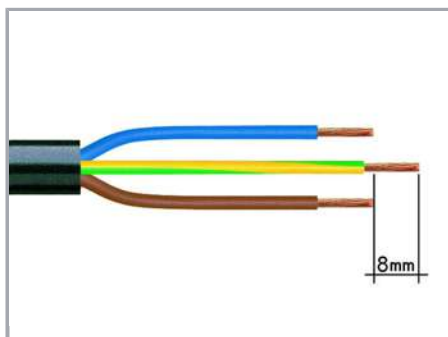
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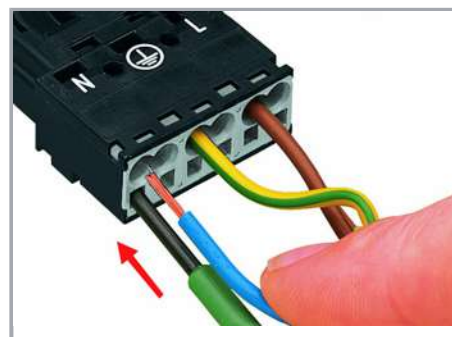
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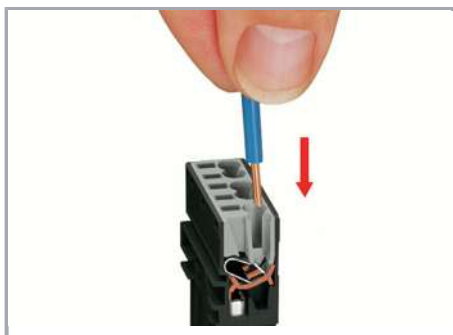
We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.



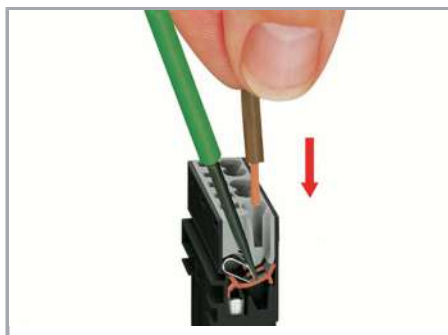
1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm



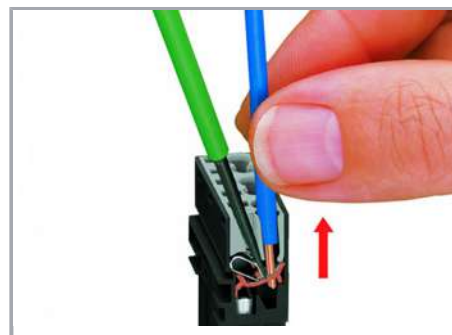
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.



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.



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.

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