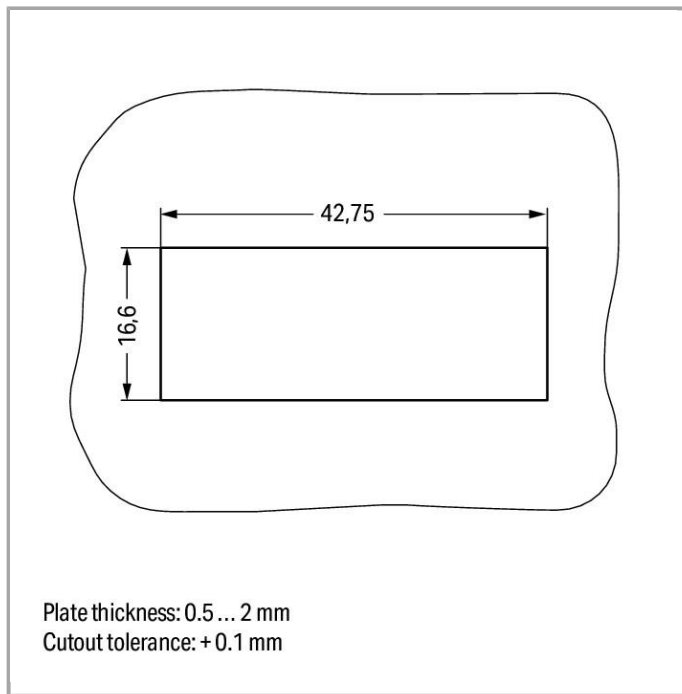
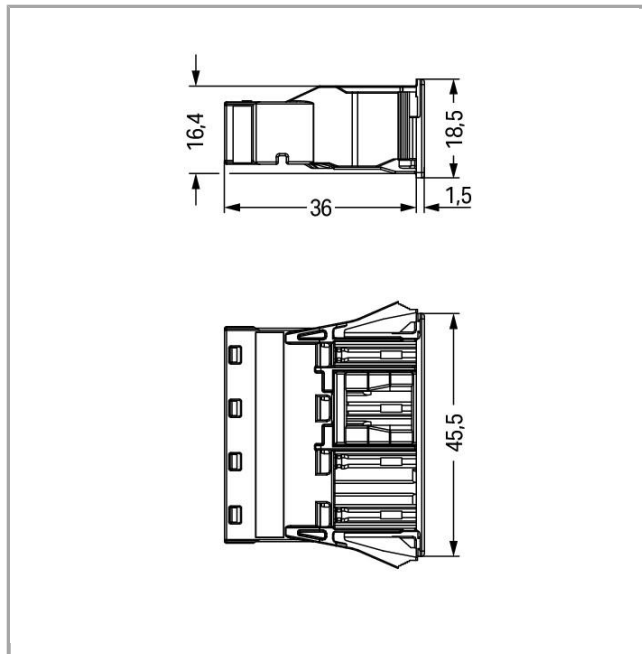
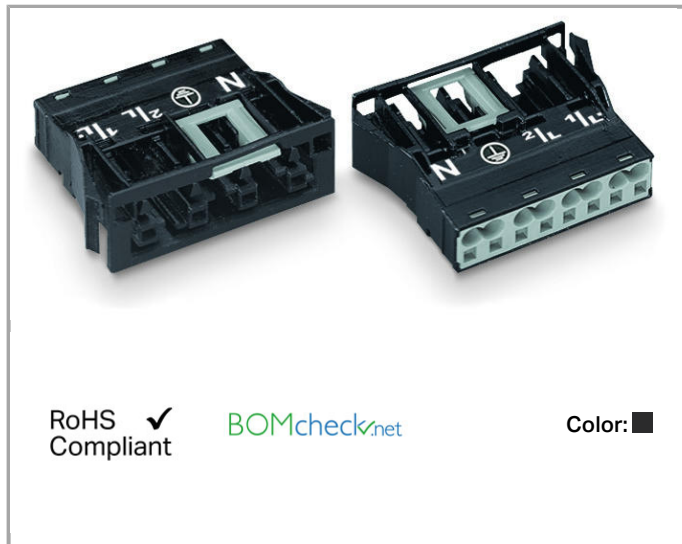


770-704



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.

Data**Electrical data**

Note on Contact Resistance

approx. 1mΩ contact resistance

approx. 0.25mΩ contact transition plug/socket

Ratings per IEC/EN 60664-1

| | |
|---------------------------------|-------|
| Rated voltage (III / 3) | 400 V |
| Rated impulse voltage (III / 3) | 6 kV |
| Rated current | 25 A |

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 | 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 |
| 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 | A |
| 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 $I_N = 25A$, tested (4 mm ² /AWG 12) |
| Gehäuseblechstärke | 0.5 ... 2 mm / 0.02 ... 0.079 inch |
| Mounting type | Snap-in |
| Marking | N 2 |
| Protection class | IP20 |
| Note on protection class | Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.) |
| Potential marking | N 2/L 1/L' |

Plug connection

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

Material Data

| | |
|-----------------------------|---|
| Color | black |
| Insulating material | Polyamide 66 (PA 66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy, surface-treated |
| Fire load | 0.198 MJ |
| Weight | 15.7 g |

Environmental Requirements


| | |
|---|--|
| Surrounding air (operating) temperature | -35 ... 85 °C |
| 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) |
| Country of origin | DE |
| GTIN | 4044918252584 |
| Customs Tariff No. | 85366990990 |



Approvals / Certificates

Country specific Approvals


| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------|--------------------------|------------------|
| | CCA DEKRA Certification B.V. | IEC 61535 | NL-32105 |
|  | CCA DEKRA Certification B.V. | EN 61535 | 2173495.02 |

Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|--------------------------|
|  | ABS American Bureau of Shipping | - | 14- HG1241528- PDA |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001Z6 |


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

Compatible products

tools

| | | |
|--|---|---------|
|  | Item no.: 210-720 Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm | 210-720 |
|--|---|---------|

protection

| | | |
|--|---|---------|
|  | Item no.: 770-201 Lockout cap; 12-pole, separable; 12-pole; for sockets | 770-201 |
|  | Item no.: 770-221 Lockout cap; for socket; 12-pole; separable | 770-221 |
|  | Item no.: 770-644 Lockout cap; for cutout; for cutouts; Plastic | 770-644 |
|  | Item no.: 770-694 Lockout cap; for cutout; for cutouts; Plastic | 770-694 |

Downloads

Documentation

Bid Text

| | | | |
|---------------------|-------------|----------------|----------|
| 770-704 | Apr 4, 2012 | doc 23.6 kB | Download |
| WINSTA MIDI 4-polig | | | |

CAD/CAE - Smart Data

CAD data



3D Download 770-704

URL

Download

Subject to changes.
