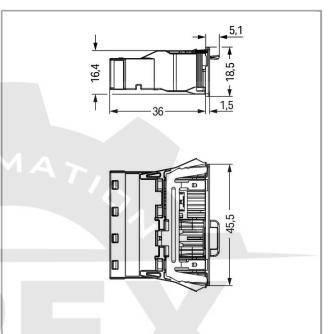
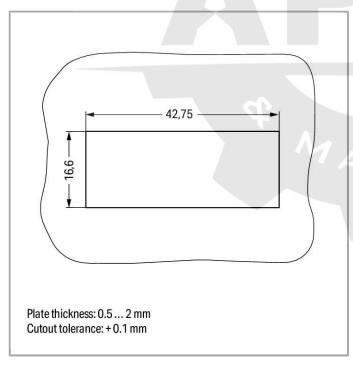
Snap-in plug; with direct ground contact; 4-pole; Cod. A

770-714/007-000









Item description

Protected against mismating and maintenance-free

-

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- 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. $1m\Omega$ contact resistance

approx. $0.25m\Omega$ 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 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 | |

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| 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 mm² / 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 |
| Ground function | with preceding GND contact |
| 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 |
|--|--|
| Direct ground contact to DIN-rail/drilled hole/housing | 1 |
| Design | with direct ground contact |
| 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) | Male connector/plug |
|------------------------------------|---------------------|
| Connector connection type | for conductors |

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| Mismating p | | Yes | | |
|-------------------|-------------------------------|---|---------------------|--|
| | olug-in connection | locking lever | | |
| Locking leve | er | yes | | |
| Material Da | nta | | | |
| Color | | black | | |
| Insulating m | naterial | Polyamide 66 (PA 66) | | |
| Flammability | y class per UL94 | VO | VO | |
| Clamping sp | oring material | Chrome nickel spring steel (CrNi) | | |
| Contact mat | terial | Copper or copper alloy, surface-treated | | |
| Fire load | | 0.326 MJ | | |
| Weight | | 17.954 g | | |
| | 1 | | | |
| Environmer | ntal Requirements | | | |
| Surrounding | g air (operating) temperature | -35 85 °C | | |
| Processing | temperature | -5 +40 °C | | |
| Continuous | operating temperature | -35 +85 °C | | |
| Note on Cor | ntinuous Service Temperature | Insulating parts for temperatures ≤ 105 ° | C | |
| Country of c | origin | DE 4045454408442 | <u> </u> | |
| Customs Ta | ariff No. | 85366990990 | | |
| | / Certificates | | | |
| Logo | Approval | Additional Approval Text | Certificate name | |
| Logo | CCA | EN 61535 | 2173495.02 | |
| KEMA | DEKRA Certification B.V. | LINOTSSS | 2173495.02 | |
| | CCA DEKRA Certification B.V. | IEC 61535 | NL-32105 | |
| Ship Approva | uls | | | |
| Logo | Approval | Additional Approval Text | Certificate name | |
| ABS. | ABS | - | 14- | |
| THE OF UNITED HER | American Bureau of Shipping | | HG1241528- PDA | |
| | DNV GL | - | TAE00001Z6 | |

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Det Norske Veritas, Germanischer Lloyd

| | NAMES OF STREET |
|---|-----------------|
| ı | DNV-GL |
| | MARITIME |

DNV GL

TAE00001Z6



Det Norske Veritas, Germanischer Lloyd

02/20050



LR Lloyds Register IEC 61984

(E6)

UL-Approvals

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

Compatible products

Coding

| | Item no.: 770-401 Coding pin; for plugs; Plastic | 770-401 |
|------------|--|---------|
| protection | (I) | |
| 6444 | Item no.: 770-360 Lockout cap; for plugs; 5-pole; separable | 770-360 |
| | Item no.: 770-644 Lockout cap; for cutout; for cutouts; Plastic | 770-644 |
| A STA | Item no.: 770-694 Lockout cap; for cutout; for cutouts; Plastic | 770-694 |
| tools | | |
| 1 | Item no.: 210-720 Operating tool with partially insulated shaft; Type 2, blade (3.5×0.5) mm | 210-720 |

Downloads

Documentation

Bid Text

770-714/007-000 Apr 4, 2012 Download doc



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Subject to changes.