

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

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



- Additional variable coding is possible.
- Components can be clearly printed on and color-coded to meet custom requirements.

Data

Electrical data

| | |
|----------------------------|---|
| Note on contact resistance | approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket |
|----------------------------|---|

IEC Approvals

| | |
|-----------------------------|---|
| Ratings per | IEC/EN 60664-1 |
| Rated 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 | 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. |
|--------------------------------------|--|

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

Connection data

| | |
|----------------------------|---|
| Pole No. | 5 |
| Total number of potentials | 5 |
| Number of levels | 1 |

Physical data

| | |
|-------------------------|----------------------|
| Pin spacing | 10 mm / 0.394 inch |
| Width | 47 mm / 1.85 inch |
| Height | 18.1 mm / 0.713 inch |
| Height from the surface | 14.6 mm / 0.575 inch |
| Depth | 26 mm / 1.024 inch |
| Solder pin length | 3.5 mm |
| Solder pin dimensions | 1 x 0.8 mm |

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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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| | |
|--------------------------------------|------------------------|
| Drilled hole diameter with tolerance | 1.5 (-0.1 ... +0.1) mm |
|--------------------------------------|------------------------|

Mechanical data

| | |
|---|--|
| Application | Measurement and regulation technology |
| Coding | B |
| Marking | N L1 L2 L3 |
| Potential marking | 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 |
| Design | angled |

Plug-in connection

| | |
|------------------------------------|--|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type) | for PCB |
| Mismating protection | Yes |
| Note on mismating protection | All WINSTA [®] components are 100% protected against mismating when: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered d.) plugging one pole |
| Mating direction to the PCB | 0° |
| 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). |

PCB contact

| | |
|-------------------------------------|----------------------------|
| PCB Contact | THT |
| Solder pin arrangement | 2 in-line solder pins/pole |
| Number of solder pins per potential | 2 |

Material data

| | |
|-------|------|
| Color | gray |
|-------|------|

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| | |
|--------------------------|--|
| Insulation material | Polyamide (PA66) |
| Clamping spring material | Chrome nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy (surface-treated) |
| Fire load | 0.189 MJ |
| Weight | 10.4 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

| | |
|-----------------------|---------------|
| Packaging type | BOX |
| Country of origin | PL |
| GTIN | 4050821553670 |
| Customs tariff number | 8536694040 |

Approvals / Certificates

UL-Approvals

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

Counterpart





Item no. 770-255/060-000

Plug; 5-pole; Cod. B; 4,00 mm²; graywww.wago.com/770-255/060-000

Required accessories

Cover

| | | |
|---|--|--|
|  | Item no.: 770-201 Lockout cap; 12-pole, separable; 12-pole; for sockets; black | www.wago.com/770-201 |
|  | Item no.: 770-221 Lockout cap; for socket; 12-pole; separable; white | www.wago.com/770-221 |

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Downloads

CAD files

CAD data

| | | |
|--------------------------------------|---------------------|--------------------------|
| 2D/3D Models 770-845/011-000/060-000 | URL | Download |
|--------------------------------------|---------------------|--------------------------|

PCB Design

| | | |
|--|---------------------|--------------------------|
| Symbol and Footprint 770-845/011-000/060-000 | URL | Download |
|--|---------------------|--------------------------|

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

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Installation Notes

Product family

WINSTA® MIDI

[Show all products from the family](#)

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