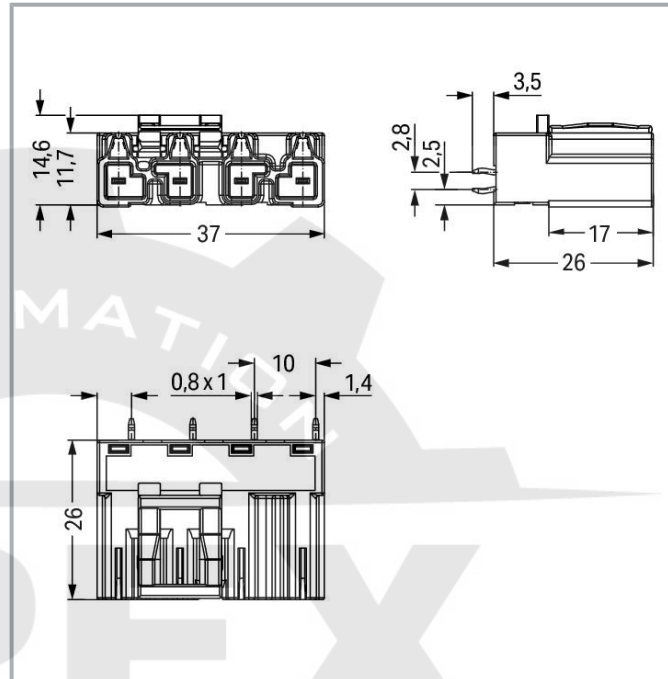


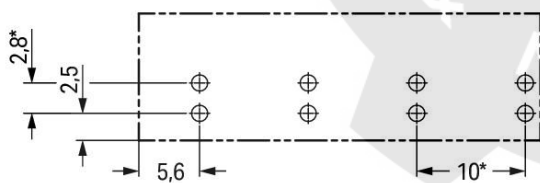
Data sheet | Item number: 770-874

Plug for PCBs; straight; 4-pole; Cod. B; light green

www.wago.com/770-874



Color:



* ± 0.05 mm
Drilled hole diameter: $1.5^{+0.1}$ mm

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.
- 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. | 4 |
| Total number of potentials | 4 |
| Number of levels | 1 |

Physical data

| | |
|-------------|--------------------|
| Pin spacing | 10 mm / 0.394 inch |
|-------------|--------------------|

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| | |
|--------------------------------------|-----------------------------------|
| Width | 37 mm / 1.457 inch |
| Height | 29.5 mm / 1.161 inch |
| Height from the surface | 26 mm / 1.024 inch |
| Depth | 14.6 mm / 0.575 inch |
| Solder pin length | 3.5 mm |
| Solder pin dimensions | 1 x 0.8 mm |
| Drilled hole diameter with tolerance | 1.5 ^(-0.1 ... +0.1) mm |

Mechanical data

| | |
|---|--|
| Application | Measurement and regulation technology |
| Coding | B |
| Marking | 1 2 3 4 |
| Potential marking | 1 2 3 4 |
| 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 | straight |

Plug-in connection

| | |
|------------------------------------|--|
| Contact type (pluggable connector) | Male connector/plug |
| 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 | 90° |
| 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 |
|-------------|-----|

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

Material data

| | |
|--------------------------|--|
| Color | light green |
| Insulation material | Polyamide (PA66) |
| Clamping spring material | Chrome nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy (surface-treated) |
| Fire load | 0.187 MJ |
| Weight | 8.8 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) |
| Packaging type | BOX |
| Country of origin | PL |
| GTIN | 4050821445029 |
| Customs tariff number | 8536694040 |

Approvals / Certificates

Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------|--------------------------|------------------|
|  | CCA DEKRA Certification B.V. | IEC 61984 | NL-32104 |
| | CCA DEKRA Certification B.V. | EN 61984 | 2173495.01 |

Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|------------------------------------|--------------------------|-------------------|
| | ABS American Bureau of Shipping | - | 19- HG1868589- |

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DNV GL

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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 |

Counterpart



Item no. 771-9994/005-105

pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. B; H05VV-F 4 x 1.0 mm²; 1 m; 1,00 mm²; light greenwww.wago.com/771-9994/005-105

Item no. 770-264

Socket; 4-pole; Cod. B; 4,00 mm²; light greenwww.wago.com/770-264

Item no. 771-9994/105-105

pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0 mm²; 1 m; 1,00 mm²; light greenwww.wago.com/771-9994/105-105

Required accessories

Cover



Item no.: 770-360

Lockout cap; for plugs; 5-pole; separable; yellow

www.wago.com/770-360

Optional accessories

Coding



Item no.: 770-401

Coding pin; for plugs; Plastic; gray

www.wago.com/770-401

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



Downloads

CAD files

CAD data

| 2D/3D Models 770-874 | URL | Download |
|----------------------|-----|----------|
|----------------------|-----|----------|

PCB Design

| Symbol and Footprint 770-874 | 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

CAE data

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-874

[URL](#)

[Download](#)

Plug for PCBs; straight; 4-pole; Cod. B; light green

Installation Notes

Product family

*W*INSTA® MIDI

[Show all products from the family](#)



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