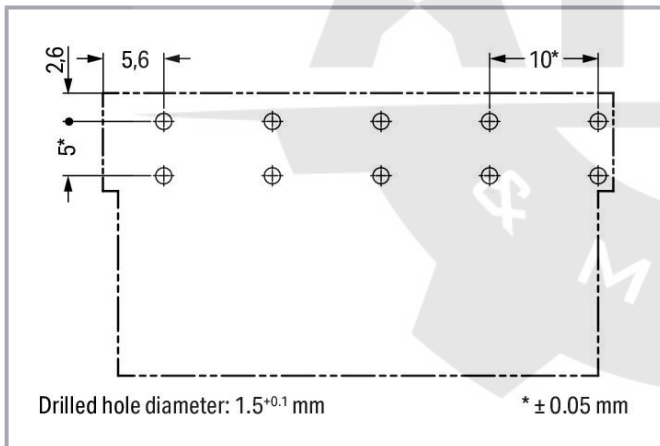
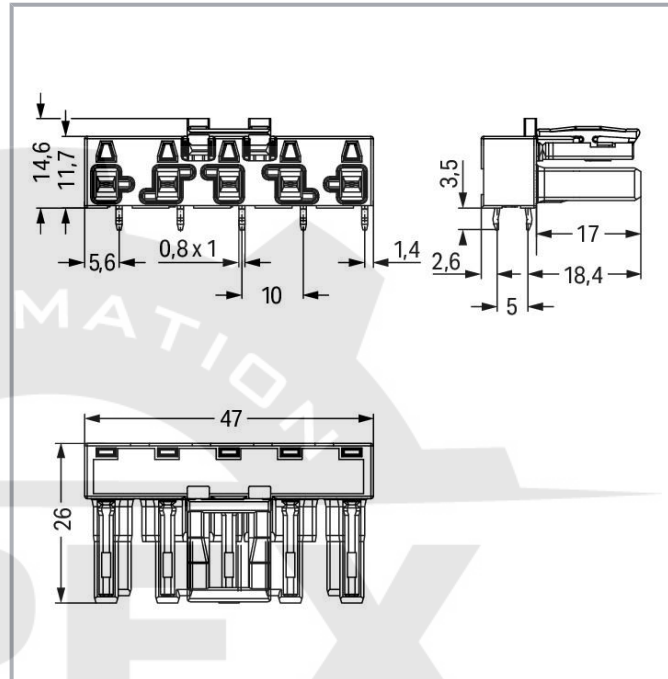
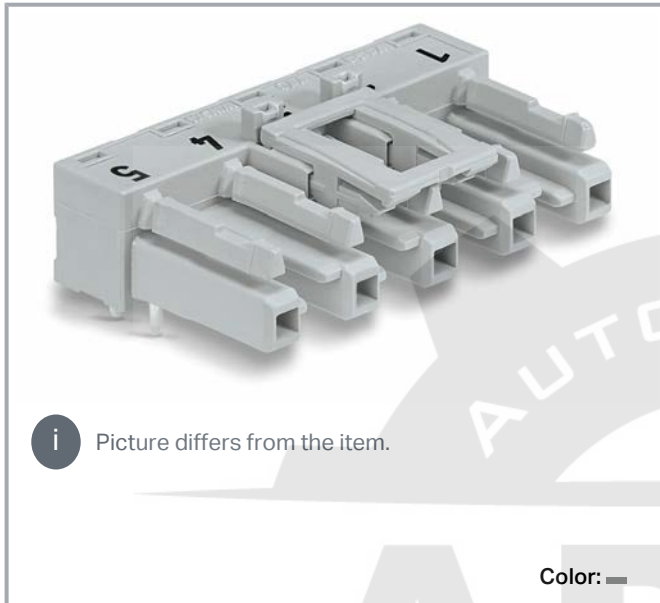




## Item description

- Protected against mismating 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!

WAGO Corporation  
Germantown, WI 53022  
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- 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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|                                      |                        |
|--------------------------------------|------------------------|
| Drilled hole diameter with tolerance | 1.5 (-0.1 ... +0.1) mm |
|--------------------------------------|------------------------|

## Mechanical data

|                                         |                                                          |
|-----------------------------------------|----------------------------------------------------------|
| Application                             | Measurement and regulation technology                    |
| Coding                                  | B                                                        |
| Marking                                 | N L 2L 1L                                                |
| Potential marking                       | N L 2L 1L                                                |
| 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 <sup>®</sup> 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                  | 4050821553793 |
| Customs tariff number | 8536694040    |

## Approvals / Certificates

### UL-Approvals

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

## Counterpart



Item no. 770-255/064-000

Plug; 5-pole; Cod. B; 4,00 mm<sup>2</sup>; gray[www.wago.com/770-255/064-000](http://www.wago.com/770-255/064-000)

## Required accessories

### Cover



Item no.: 770-201

Lockout cap; 12-pole, separable; 12-pole; for sockets; black

[www.wago.com/770-201](http://www.wago.com/770-201)

Item no.: 770-221

Lockout cap; for socket; 12-pole; separable; white

[www.wago.com/770-221](http://www.wago.com/770-221)

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

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## Downloads

### CAD files

#### CAD data

| 2D/3D Models 770-845/011-000/064-000 | URL | Download |
|--------------------------------------|-----|----------|
|--------------------------------------|-----|----------|

#### PCB Design

| Symbol and Footprint 770-845/011-000/064-000 | 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

<i>WINSTA</i>® MIDI

Show all products from the family



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