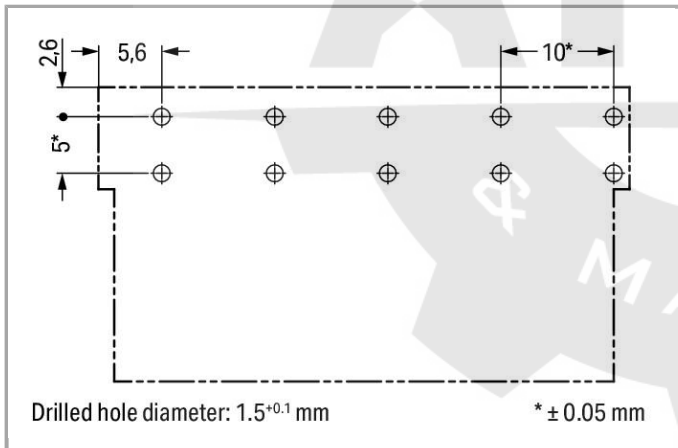
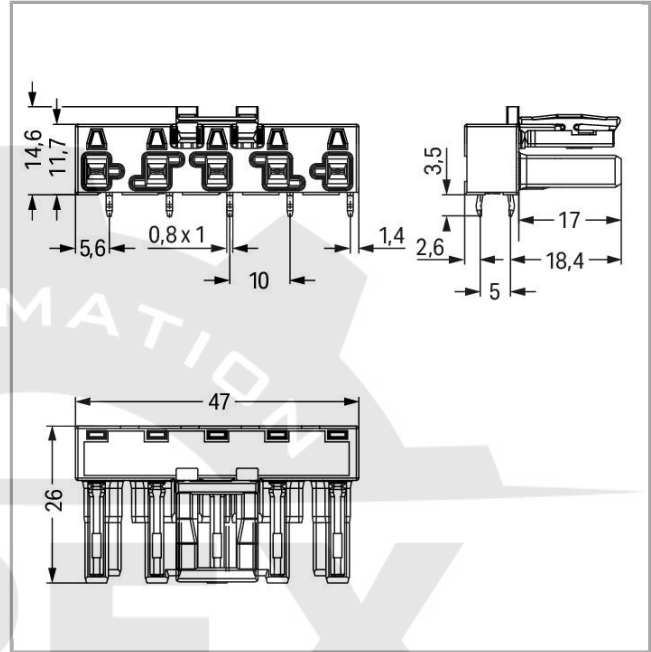
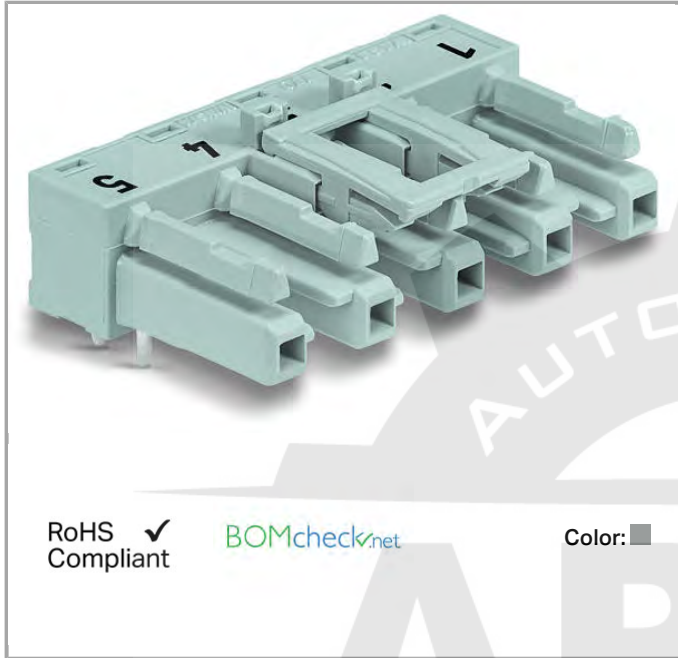




### Item description

- 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
- Components can be clearly printed on and color-coded to meet custom requirements

**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**

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

**Geometrical 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                        |
| Drilled hole diameter (tolerance) | 1.5 <sup>(-0.1 ... +0.1)</sup> mm |

## Mechanical data

|                                         |                                                                                                          |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------|
| Coding                                  | B                                                                                                        |
| 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<br>100, with resistive load $I_N = 25A$ , tested (4 mm <sup>2</sup> /AWG 12) |

|                          |                                                                                                                                          |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Design                   | angled                                                                                                                                   |
| Marking                  | 1 2 3 4 5                                                                                                                                |
| 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        | 1 2 3 4 5                                                                                                                                |

## Plug connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector connection type          | for PCBs                |
| Mismating protection               | Yes                     |
| Mating direction to the PCB        | 0°                      |
| Locking of plug-in connection      | locking lever           |
| Locking lever                      | yes                     |

## 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                              |
| 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        | 0.189 MJ                                |
| Weight           | 10.445 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 $\leq 105$ °C |

### Commercial data

|                    |               |
|--------------------|---------------|
| Product Group      | 20 (WINSTA)   |
| Country of origin  | DE            |
| GTIN               | 4017332802642 |
| Customs Tariff No. | 85366990990   |

### Approvals / Certificates

#### Country specific Approvals

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

#### Ship Approvals

| Logo                                                                               | Approval                                         | Additional Approval Text | Certificate name         |
|------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------|--------------------------|
|  | ABS<br>American Bureau of Shipping               | -                        | 14-<br>HG1241528-<br>PDA |
|  | DNV GL<br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE00001Z6               |
|  | DNV GL<br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE00001Z6               |
|                                                                                    | LR<br>Lloyds Register                            | IEC 61984                | 02/20050<br>(E6)         |



#### UL-Approvals

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

#### Compatible products

##### protection

|                                                                                  |                                                                            |         |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------|
|  | Item no.: 770-201<br>Lockout cap; 12-pole, separable; 12-pole; for sockets | 770-201 |
|  | Item no.: 770-221<br>Lockout cap; for socket; 12-pole; separable           | 770-221 |

#### Downloads

##### CAD/CAE - Smart Data

##### CAD data

|                             |     |          |
|-----------------------------|-----|----------|
| 3D Download 770-845/011-000 | URL | Download |
|-----------------------------|-----|----------|

Subject to changes.