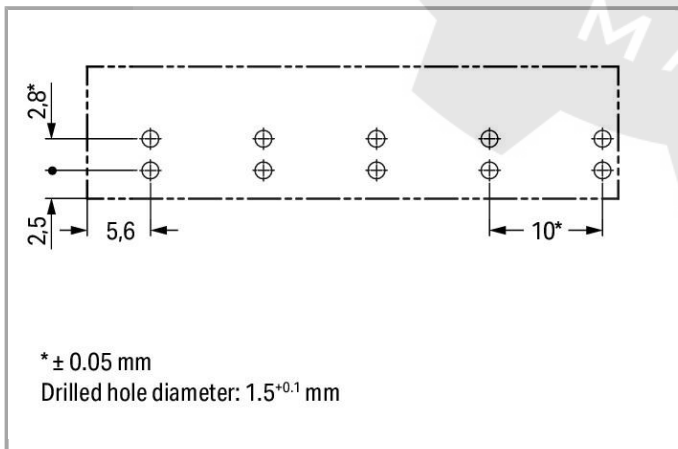
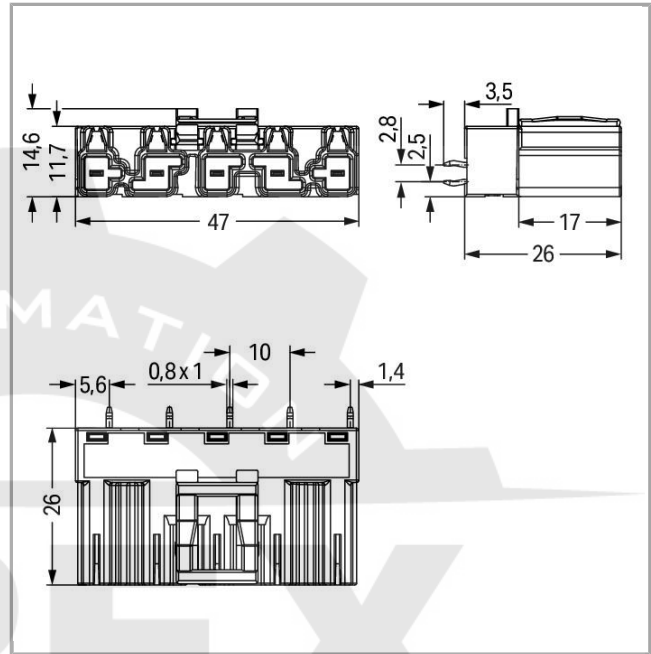




RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color:



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

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. 1mΩ contact resistance

approx. 0.25mΩ 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 |
| Ground function | with preceding GND contact |

Geometrical Data

| | |
|-------------|--------------------|
| Pin spacing | 10 mm / 0.394 inch |
| Width | 47 mm / 1.85 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 (tolerance) | 1.5 ^(-0.1 ... +0.1) mm |

Mechanical data

| | |
|---|--|
| Coding | I |
| 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) |
| Design | straight |
| Marking | N L DA- DA+ |
| 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 L DA- DA+ |

Plug connection

| | |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector connection type | for PCBs |
| Mismating protection | Yes |
| Mating direction to the PCB | 90° |
| 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 | blue |
| 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 | 0.208 MJ |
| Weight | 10.085 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 ≤ 105 °C |

Commercial data


| | |
|--------------------|---------------|
| Country of origin | DE |
| GTIN | 4045454654535 |
| Customs Tariff No. | 85366990990 |

Approvals / Certificates

Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|---|-----------------------|--------------------------|------------------|
|  | LR Lloyds Register | IEC 61984 | 02/20050 (E6) |

UL-Approvals

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

Compatible products

protection



Item no.: 770-360
Lockout cap; for plugs; 5-pole; separable

770-360

Downloads
CAD/CAE - Smart Data
CAD data

| 3D Download 770-3115 | URL | Download |
|----------------------|-----|----------|
|----------------------|-----|----------|



Subject to changes.