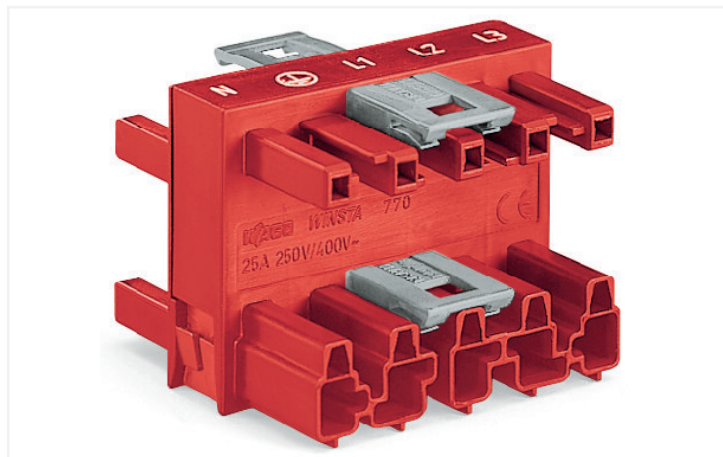


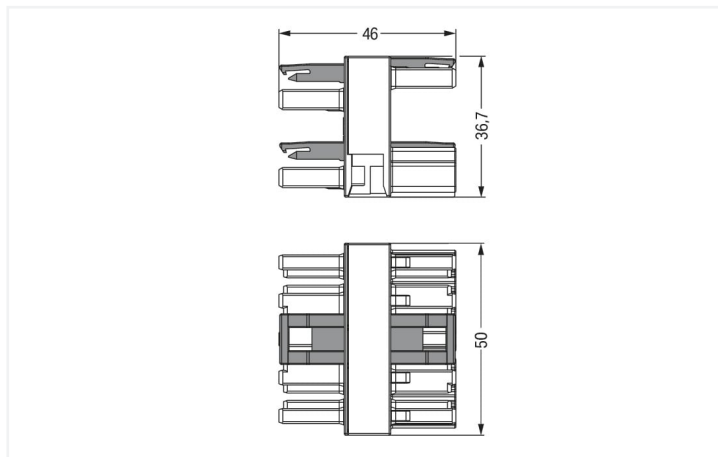
Data Sheet | Item Number: 770-909

3-way distribution connector; 5-pole; Cod. P; 1 input; 3 outputs; red

<https://www.wago.com/770-909>



Color: ■ red



Dimensions in mm

Distribution connector WINSTA® MIDI with protection against mismatching

The WINSTA® MIDI distribution connector with protection type IP20 supports fast, reliable installation. WAGO pluggable installation connectors are useful when specifications repeat or are distributed on a specified pattern, for example for installing grid lighting or flush-mount lighting. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. The pluggable installation connector is protected against ingress by solid objects in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). WINSTA® MIDI pluggable installation connectors with P coding are employed for applications involving uninterruptible power supplies. Important parameters in the selection of a pluggable installation connector are the rated current and voltage: They provide information about possible domains of use and applications. This product has a current rating of 25 A – so it is suitable for robust loads. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in can be found in a variety of projects you can use for quick, easy and maximally flexible installation.

WINSTA® MIDI solutions for your electrical installation – protected against mismatching and maintenance-free

The WINSTA® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and thus more efficient, more reliable, and error-free. Using this pre-assembled system decreases time spent on assembly and errors during installation at the construction site. Now you can also reduce installation expenses without compromising safety and quality: with marking eliminates the need for servicing and prevents unnecessary downtime.

- protection against mismatching eliminates errors
- for automation controllers
- for UPS applications
- ready to install and use immediately
- fast, secure installation

Electrical data

| Ratings per | IEC/EN 60664-1 | | |
|----------------------|----------------|-----|----|
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 400 V | - | - |
| Rated surge voltage | 6 kV | - | - |
| Rated current | 25 A | - | - |

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

General information

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

Connection data

| | | | |
|----------------------------|----------------------|---------------------|---|
| Total number of potentials | 5 | Connection 1 | |
| PE function | Preceding PE contact | Pole number | 5 |

Physical data

| | |
|-------------|------------------------|
| Pin spacing | 10 mm / 0.394 inches |
| Width | 50 mm / 1.969 inches |
| Height | 36.7 mm / 1.445 inches |
| Depth | 46 mm / 1.811 inches |

Mechanical data

| | |
|---|---|
| Application | EDV (UPS) |
| Coding | P |
| Variable coding | No |
| 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 | When 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 |
| Type of distribution box | Distribution connector, 3-way |
| Protection type | IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

Plug-in connection

| | |
|-------------------------------|--|
| Mismating protection | Yes |
| Note on mismating protection | All <i>WINSTA</i> ® 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 |
| Locking lever | Yes |
| Locking of plug-in connection | Locking lever |
| Note on locking system | 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). |
| Number of locking levers | 4 |

Material data

| | |
|-----------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | red |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| Fire load | 0.655 MJ |
| Weight | 41.7 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) |
| eCl@ss 10.0 | 27-44-06-03 |
| eCl@ss 9.0 | 27-44-06-03 |
| ETIM 8.0 | EC002567 |
| ETIM 7.0 | EC002567 |
| PU (SPU) | 25 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4045454945268 |
| Customs tariff number | 85366990990 |

Environmental Product Compliance

| | |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

Approvals / Certificates

General approvals



| Approval | Standard | Certificate Name |
|--|----------|------------------|
| cURus Underwriters Laboratories Inc. | UL 1977 | E45171 |
| cURus Underwriters Laboratories Inc. | UL 1059 | E 45172 |

Downloads

Environmental Product Compliance

| |
|--|
| Compliance Search |
| Environmental Product Compliance 770-909 |

Documentation

Bid Text

| | | | |
|---------|------------|-----------------|-------------------|
| 770-909 | 19.02.2019 | xml 2.72 KB | ↓ |
| 770-909 | 12.03.2015 | doc 23.00 KB | ↓ |

CAD/CAE-Data

CAE data

| | |
|---------------------------|-------------------|
| WSCAD Universe 770-909 | ↓ |
|---------------------------|-------------------|

1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



Item No.: 771-9975/206-101
pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. P; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; red



Item No.: 771-9975/106-101
pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. P; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; red



Item No.: 771-9975/006-101
pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. P; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; red

1.1.2 Female connector/socket



Item No.: 770-1305
Socket; 5-pole; Cod. P; 4,00 mm²; red

1.1.3 Male connector/plug



Item No.: 770-1315
Plug; 5-pole; Cod. P; 4,00 mm²; red

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



Item No.: 770-201
Lockout cap; 12-pole, separable; for sockets; Plastic; black



Item No.: 770-221
Lockout cap; 12-pole, separable; for sockets; Plastic; white



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

1.2.2 Installation

1.2.2.1 Mounting accessories



Item No.: 770-625

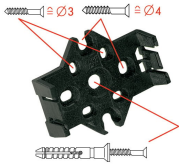
Mounting plate; 5-pole; for distribution connectors; Plastic; black

Item No.: 770-675

Mounting plate; 5-pole; for distribution connectors; Plastic; white

Installation Notes

Installation



Mounting plates can be secured using commercially available screws or nail-drive anchors.



The distribution connectors snap together when attached to the mounting plate.



To release the distribution connector, unlock the latch using a screwdriver.



All distribution connector connections are locked and protected against accidental disconnection directly after mating. Locking of any connection is released using a screwdriver, even if all connections are used.