

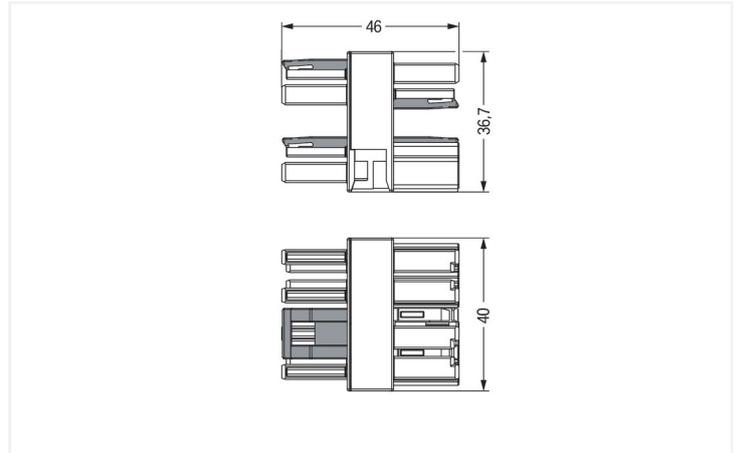
Data Sheet | Item Number: 770-1736

3-way distribution connector; 4-pole; Cod. B; 1 input; 3 outputs; pink

<https://www.wago.com/770-1736>



Color: ■ pink



Dimensions in mm

Distribution connector WINSTA® MIDI 4-pole

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MIDI distribution connector B coding. WAGO pluggable installation connectors can be used when criteria repeat or are planned on a specific grid, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector is protected in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). That results in the fact that users' fingers will never come into contact with live contact elements. Solutions like the WINSTA® MIDI pluggable installation connectors with B coding are suitable for process control, for example, for lighting or within data networks. The rated current and voltage are important criteria for selecting a pluggable installation connector: They tell us about the product's domains of use. This product has a current rating of 25 A – therefore it is also suitable for powerful loads. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in can be found in a variety of projects you can use for quick, easy, flexible, and secure installation.

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

WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It allows error-free installation of cables and components, quickly and reliably. Now you can also cut installation expenses without compromising safety and quality: with locking lever eliminates the need for servicing and prevents unnecessary downtime.

- protection against mismatching eliminates errors
- for automation controllers
- with B coding for use in process automation, such as lighting technology, for instance
- flexible installation to save space
- quick replacement of defective units during ongoing operation

Notes

Variants:

Other pole markings
Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

Electrical data

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

| Ratings per IEC/EN – Notes | |
|----------------------------|--|
| Rated current (note) | 25 A for 3-pole load 20 A for 4-pole load |

| 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 | 4 |
|----------------------------|---|

| Connection 1 | |
|--------------|---|
| Pole number | 4 |

Physical data

| | |
|-------------|------------------------|
| Pin spacing | 10 mm / 0.394 inches |
| Width | 40 mm / 1.575 inches |
| Height | 36.7 mm / 1.445 inches |
| Depth | 46 mm / 1.811 inches |

Mechanical data

| | |
|---|---|
| Use | Control 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 | 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 | pink |
| Insulation material (main housing) | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact Plating | Tin |
| Fire load | 0.657 MJ |
| Weight | 36.5 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) |
| PU (SPU) | 50 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4050821702214 |
| Customs tariff number | 85366990990 |

Product Classification

| | |
|-------------|----------------------|
| UNSPSC | 39121406 |
| eCl@ss 10.0 | 27-44-06-03 |
| eCl@ss 9.0 | 27-44-06-03 |
| ETIM 9.0 | EC002567 |
| ETIM 10.0 | EC002567 |
| ECCN | NO US CLASSIFICATION |

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 770-1736



Documentation

Bid Text

| | | | |
|----------|------------|-----------------|--|
| 770-1736 | 12.03.2015 | doc 23.00 KB | |
| 770-1736 | 19.02.2019 | xml 2.74 KB | |

CAD/CAE-Data

CAD data

2D/3D Models
770-1736



CAE data

WSCAD Universe
770-1736



1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



Item No.: 771-9994/205-107

pre-assembled connecting cable; Eca; Plug/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0 mm²; 1 m; 1,00 mm²; pink



Item No.: 771-9994/105-107

pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0 mm²; 1 m; 1,00 mm²; pink



Item No.: 771-9994/005-107

pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. B; Control cable 4 x 1.0 mm²; 1 m; 1,00 mm²; pink

1.1.2 Female connector/socket



Item No.: 770-284

Socket; 4-pole; Cod. B; pink

1.1.3 Male connector/plug



Item No.: 770-294

Plug; 4-pole; Cod. B; pink

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.: 770-624

Mounting plate; 4-pole; for distribution connectors; Plastic; black

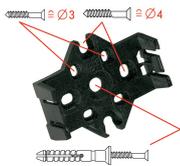


Item No.: 770-674

Mounting plate; 4-pole; for distribution connectors; Plastic; white

Installation Notes

Installation



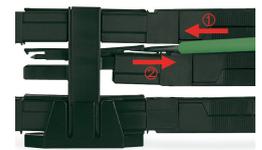
Mounting plates can be secured using commercially available screws or nail-drive anchors.



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.