

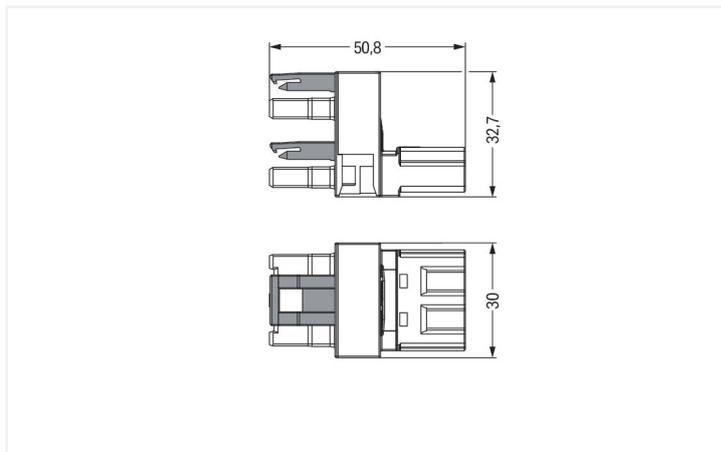
## Data Sheet | Item Number: 770-634

h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 2 locking levers; black

<https://www.wago.com/770-634>



Color: ■ black



Dimensions in mm

Distribution connector *WINSTA*® MIDI with protection against mismatching

For signal and power transmission: The *WINSTA*® MIDI distribution connector with locking latch. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to many different requirements in seconds. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. 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 energised contact elements. General mains applications for almost any domain of use can be implemented with *WINSTA*® MIDI pluggable installation connectors with A coding. This pluggable installation connector can be used for a current load of up to 25 A. Thus, it can also be used for high power 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 electrical installation.

Lower costs through fast commissioning and elimination of service expenses – solutions from *WINSTA*® MIDI

The *WINSTA*® Pluggable Connection System is perfectly tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, more reliable, and error-free. Using this pre-assembled system reduces assembly times and installation errors at the construction site. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection against mismatching from WAGO.

- effective protection against mismatching
- simple circuits
- with A coding for a great number of uses
- ready for immediate use
- quick replacement of defective units during ongoing operation

### Electrical data

| Ratings per                     | IEC/EN 60664-1 |     |    |
|---------------------------------|----------------|-----|----|
| Overvoltage category            | III            | III | II |
| Pollution degree                | 3              | 2   | 2  |
| Nominal voltage                 | 250 V          | -   | -  |
| Rated impulse withstand voltage | 4 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<br>approx. 0.25 mΩ contact transition plug/<br>socket |
|----------------------------|--|

### Connection Data

|                            |                      |                     |   |
|----------------------------|----------------------|---------------------|---|
| Total number of potentials | 3                    | <b>Connection 1</b> |   |
| PE function                | Preceding PE contact | Pole number         | 3 |

### Physical data

|             |                        |
|-------------|------------------------|
| Pin spacing | 10 mm / 0.394 inches   |
| Width       | 30 mm / 1.181 inches   |
| Height      | 32.7 mm / 1.287 inches |
| Depth       | 51 mm / 2.008 inches   |

### Mechanical data

|   |   |
|---|---|
| Use                                     | General mains applications  |
| Coding                                  | A   |
| Marking                                 | L ⊕ N   |
| Potential marking                       | L ⊕ N   |
| 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                | h-distribution connector, outputs at one end  |
| 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 WINSTA® components are 100% protected against mismating when:<br>a.) plugging different numbers of poles<br>b.) plugging while rotated 180<br>c.) plugging while laterally staggered<br>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      | 2  |

### Material data

|                                    |  |
|------------------------------------|--|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | black  |
| Insulation material (main housing) | Polyamide (PA66)   |
| Flammability class per UL94        | V0   |
| Contact material                   | Copper or copper alloy; surface-treated                                  |
| Contact Plating                    | Tin  |
| Fire load                          | 0.41 MJ  |
| Weight                             | 22.4 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

|                       |               |
|-----------------------|---------------|
| PU (SPU)              | 50 pcs        |
| Packaging type        | Box           |
| Country of origin     | DE            |
| GTIN                  | 4045454251437 |
| 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 |
|--|-----------|------------------|
| CCA<br>DEKRA Certification B.V.            | EN 61535  | 71-123228        |
| CCA<br>DEKRA Certification B.V.            | IEC 61535 | NL -84761        |
| cURus<br>Underwriters Laboratories<br>Inc. | UL 1977   | E45171           |
| cURus<br>Underwriters Laboratories<br>Inc. | UL 1059   | E 45172          |

#### Declarations of conformity and manufacturer's declarations

| Approval  | Standard | Certificate Name |
|---|----------|------------------|
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |

### Approvals for marine applications



| Approval  | Standard  | Certificate Name |
|---|-----------|------------------|
| ABS<br>American Bureau of Ship-<br>ping               | -         | 24-0095977-PDA   |
| DNV GL<br>Det Norske Veritas, Ger-<br>manischer Lloyd | -         | TAE00001Z6       |
| LR<br>Lloyds Register                                 | IEC 61984 | LR22429487TA     |

## Downloads

### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 770-634



## Documentation

### Bid Text

|                            |            |                 |  |
|----------------------------|------------|-----------------|--|
| 770-634                    | 19.02.2019 | xml<br>2.76 KB  |  |
| 770-634                    | 12.03.2015 | doc<br>23.00 KB |  |
| ausschreiben.de<br>770-634 |            |                 |  |

## CAD/CAE-Data

| CAD data             | CAE data                  |
|----------------------|---------------------------|
| 2D/3D Models 770-634 | EPLAN Data Portal 770-634 |
|                      | WSCAD Universe 770-634    |
|                      | ZUKEN Portal 770-634      |

## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Cable assembly



**Item No.: 771-9993/206-101**  
pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. A; H05VV-F 3G 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; black



**Item No.: 771-9993/106-101**  
pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. A; H05VV-F 3G 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; black



**Item No.: 771-9993/006-101**  
pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05VV-F 3G 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; black

#### 1.1.2 Female connector/socket



**Item No.: 770-203**  
Socket; 3-pole; Cod. A; black



**Item No.: 770-103**  
Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm<sup>2</sup>; black



**Item No.: 770-203/035-000**  
Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm<sup>2</sup>; black

### 1.1.3 Male connector/plug



**Item No.: 770-213**  
Plug; 3-pole; Cod. A; black



**Item No.: 770-113**  
Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm<sup>2</sup>; black



**Item No.: 770-213/035-000**  
Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm<sup>2</sup>; black

## 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



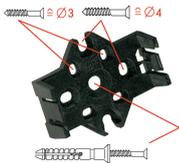
**Item No.: 770-623**  
Mounting plate; 3-pole; for distribution connectors; Plastic; black



**Item No.: 770-673**  
Mounting plate; 3-pole; for distribution connectors; Plastic; white

## Installation Notes

### Installation



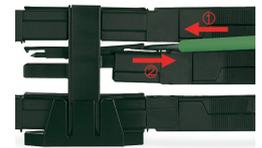
Mounting plates can be secured using commercially available screws or nail-drive anchors.



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.