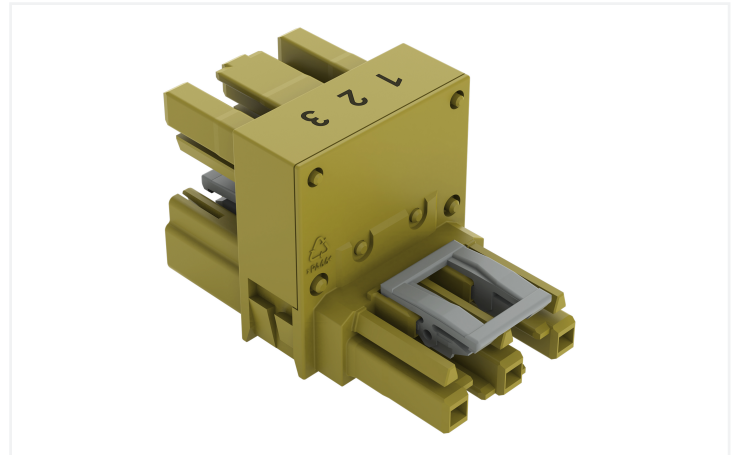
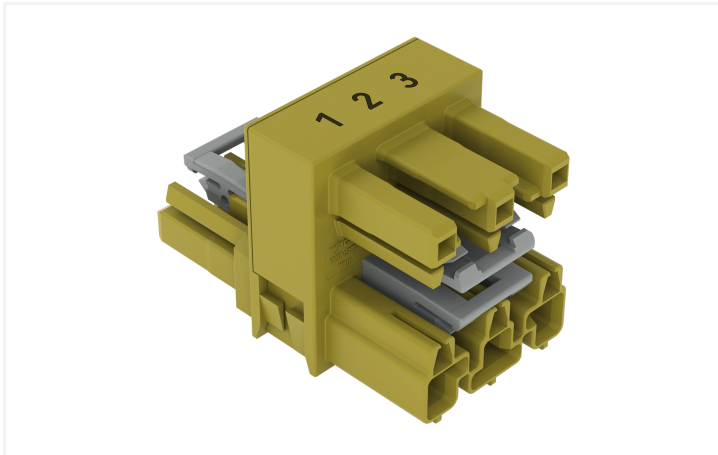


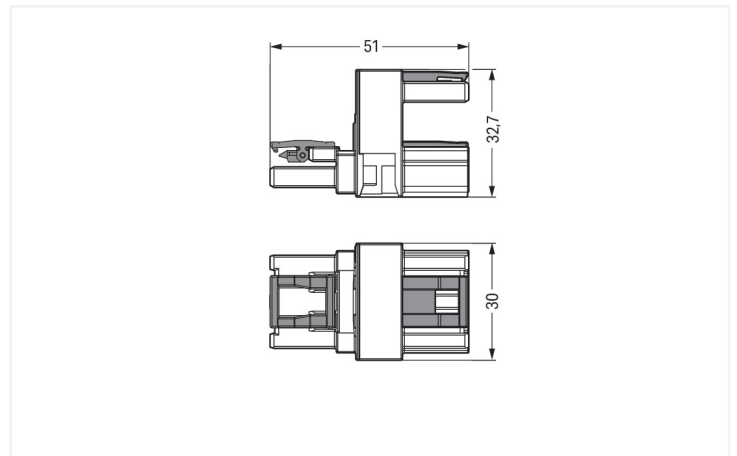
## Data Sheet | Item Number: 770-1768

h-distribution connector; 3-pole; Cod. B; 1 input; 2 outputs; outputs on both sides; 3 locking levers; for flying leads; light green

<https://www.wago.com/770-1768>



Color: ■ light green



Dimensions in mm

### Distribution connector *WINSTA*® MIDI 3-pole

The *WINSTA*® MIDI distribution connector 3-pole provides the foundation for assembly of solid and fine-stranded conductors. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to an enormous variety of requirements in no time flat. 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!)). Pluggable installation connectors with B coding from the *WINSTA*® MIDI line are available in gray, light green, or pink, allowing you to distinguish different circuits, for example for pumps, lighting, or sun blinds. Usage-specific pole marking is possible in addition. This pluggable installation connector is designed for a load of up to 25 A. As a result, it can also be used for high power loads. *WINSTA*® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in a broad range of individual products you can use for quick, easy, secure, tailored installation.

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

The *WINSTA*® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, more reliable, and error-free. Use of this pre-assembled system decreases time spent on assembly and errors during installation at the construction site. Now you can also lower installation costs without compromising quality and safety: with locking lever reduces the need for servicing and prevents unnecessary downtime.

- pre-assembled versions
- with B coding for use in process automation, such as lighting technology, for instance

- ready to install and use immediately
- rapid, structured electrical installation

## Notes

Variants:	Other pole markings Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> .
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## Electrical data

### Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	250 V
Rated impulse withstand voltage (III / 3)	4 kV
Rated current	25 A
Legend (ratings)	(III / 3) $\Delta$ Overvoltage category III / Pollution degree 3

### Ratings per UL 1977

Note for the US market	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.
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## General information

Note on contact resistance	approx. 1 m $\Omega$ of contact resistance approx. 0.25 m $\Omega$ contact transition plug/socket
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## Connection Data

Total number of potentials	3
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### Connection 1

Pole number	3
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## 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	Control technology
Coding	B
Marking	1 2 3
Potential marking	1 2 3
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 both ends
Protection type	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)
Suitable	for flying leads

### Plug-in connection

Note on mismatching protection	All WINSTA® components are 100% protected against mismatching 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	3

### Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	light green
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	1.438 MJ
Weight	57 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	4050821702320
Customs tariff number	85366990990

### Product Classification

UNSPSC	39121421
ETIM 9.0	EC002567
ETIM 10.0	EC002567
ECCN	NO US CLASSIFICATION

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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## Approvals / Certificates

### General approvals



Approval	Standard	Certificate Name
cURus Underwriters Laboratories Inc.	UL 1059	E 45172

## Downloads

### Environmental Product Compliance

#### Compliance Search

Environmental Product  
Compliance 770-1768



## CAD/CAE-Data

#### CAD data

2D/3D Models  
770-1768



## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Cable assembly



**Item No.: 771-9993/205-105**

pre-assembled connecting cable; Eca;  
Plug/open-ended; 3-pole; Cod. B; H05VV-F  
3 x 1.0 mm<sup>2</sup>; 1 m; 1,00 mm<sup>2</sup>; light green



**Item No.: 771-9993/105-105**

pre-assembled connecting cable; Eca;  
Socket/open-ended; 3-pole; Cod. B;  
H05VV-F 3 x 1.0 mm<sup>2</sup>; 1 m; 1,00 mm<sup>2</sup>;  
light green



**Item No.: 771-9993/005-105**

pre-assembled interconnecting cable;  
Eca; Socket/plug; 3-pole; Cod. B; H05VV-F  
3 x 1.0 mm<sup>2</sup>; 1 m; 1,00 mm<sup>2</sup>; light green

#### 1.1.2 Female connector/socket



**Item No.: 770-263**

Socket; 3-pole; Cod. B; light green

#### 1.1.3 Male connector/plug



**Item No.: 770-273**

Plug; 3-pole; Cod. B; light green

## 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

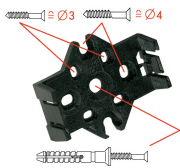


**Item No.: 770-673**

Mounting plate; 3-pole; for distribution connectors; Plastic; white

## Installation Notes

### Installation



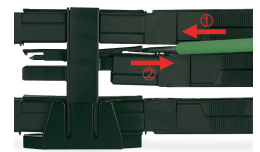
Mounting plates can be secured using commercially available screws or nail-drive anchors.



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.