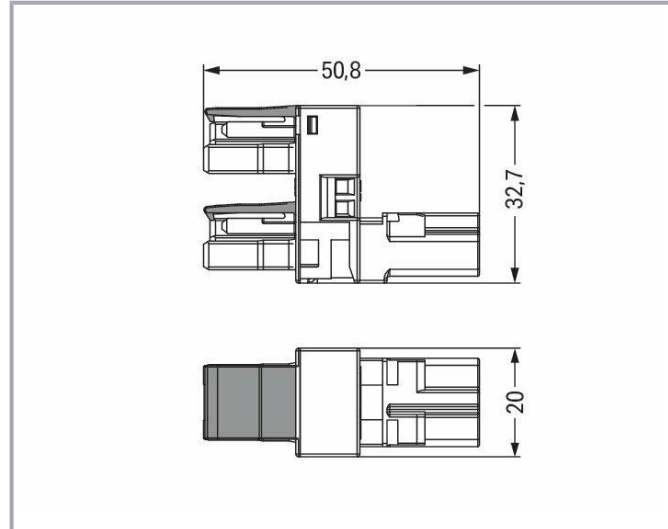


## Data sheet | Item number: 770-1634

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



[www.wago.com/770-1634](http://www.wago.com/770-1634)



### Item description

#### Distribution connector *WINSTA*® MIDI with protection against mismatching

The *WINSTA*® MIDI distribution connector with protection type IP20 provides the foundation for assembly of fine-stranded and solid conductors. 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 coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The pluggable installation connector offers protection against contact with live components in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). Thanks to the color coding and mechanical A coding of *WINSTA*® MIDI pluggable installation connectors, you can clearly distinguish different circuits. The rated current and voltage are important criteria for selecting a pluggable installation connector: They provide information about possible domains of use and applications. This product has a current rating of 25 A – as a result it is also suitable for powerful loads. Our *WINSTA*® MIDI product line offers flexibility for the electrical installation. Through its Push-in CAGE CLAMP® spring pressure connection technology, it ensures error-free, time-saving installation and offers customization

Subject to changes. Please also observe the further product documentation!

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Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



and flexibility for meeting various installation requirements.

## Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

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

- protection against mismatching eliminates errors
- simple circuits
- with A coding for a large number of applications
- ready for immediate use
- fast, secure installation

## Data

### Electrical data

#### Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	250 V
Rated impulse voltage (III/3)	4 kV
Rated current	25 A
Legend (ratings)	(III / 3) ≙ 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.
Rated voltage (UL 1977)	600 V
Rated current UL 1977	23 A

## General

Note on contact resistance

approx. 1 mΩ of contact resistance

Subject to changes. Please also observe the further product documentation!



approx. 0.25 mΩ contact transition plug/socket

## Connection data

Total number of potentials 2

## Connection 1

Pole number 2

## Physical data

Pin spacing 10 mm / 0.394 inches

Width 20 mm / 0.787 inches

Height 32.7 mm / 1.287 inches

Depth 50.8 mm / 2 inches

## Mechanical Data

Application 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 on one side

Protection type IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

## Plug-in connection

Contact type (pluggable connector) Socket/plug

Mismating protection Yes

Note on mismating protection All *WINSTA*<sup>®</sup> 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

Subject to changes. Please also observe the further product documentation!

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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).

## Material Data

Note (material data)

Information on material specifications can be found here

Color	black
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.256 MJ
Weight	15.1 g

## Environmental requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on continuous operating temperature	Insulating parts for temperatures $\leq 105$ °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)	50 pcs
Packaging type	box
Country of origin	DE
GTIN	4050821531197
Customs tariff number	85366990990

## Environmental Product Compliance

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

### General approvals


Logo	Approval	Additional Approval Text	Certificate name
	cURus Underwriters Laboratories Inc.	UL 1977	E45171

### Counterpart

	<b>Item no.770-102/041-000</b> Socket; with strain relief housing; 2-pole; Cod. A; 4,00 mm <sup>2</sup> ; black	<a href="http://www.wago.com/770-102/041-000">www.wago.com/770-102/041-000</a>
	<b>Item no.770-112/041-000</b> Plug; with strain relief housing; 2-pole; Cod. A; 4,00 mm <sup>2</sup> ; black	<a href="http://www.wago.com/770-112/041-000">www.wago.com/770-112/041-000</a>
	<b>Item no.770-202</b> Socket; 2-pole; Cod. A; 4,00 mm <sup>2</sup> ; black	<a href="http://www.wago.com/770-202">www.wago.com/770-202</a>
	<b>Item no.770-212</b> Plug; 2-pole; Cod. A; 4,00 mm <sup>2</sup> ; black	<a href="http://www.wago.com/770-212">www.wago.com/770-212</a>
	<b>Item no.771-8992/006-101</b> pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. A; H05VV-F 2 x 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; black	<a href="http://www.wago.com/771-8992/006-101">www.wago.com/771-8992/006-101</a>
	<b>Item no.771-8992/106-101</b> pre-assembled connecting cable; Eca; Socket/open-ended; 2-pole; Cod. A; H05VV-F 2 x 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; black	<a href="http://www.wago.com/771-8992/106-101">www.wago.com/771-8992/106-101</a>
	<b>Item no.771-8992/206-101</b> pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. A; H05VV-F 2 x 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; black	<a href="http://www.wago.com/771-8992/206-101">www.wago.com/771-8992/206-101</a>

### Optional accessories

#### Cover

Cover		
	<b>Item no.: 770-360</b> Lockout cap; for plugs; 5-pole; separable; yellow	<a href="http://www.wago.com/770-360">www.wago.com/770-360</a>
	<b>Item no.: 770-201</b> Lockout cap; 12-pole, separable; for sockets; Plastic; black	<a href="http://www.wago.com/770-201">www.wago.com/770-201</a>

Subject to changes. Please also observe the further product documentation!

Item no.: 770-221

Lockout cap; 12-pole, separable; for sockets; Plastic; white

[www.wago.com/770-221](http://www.wago.com/770-221)

## Mounting

Mounting accessories



Item no.: 770-1626

Mounting plate; 2-pole; for distribution connectors; Plastic; black

[www.wago.com/770-1626](http://www.wago.com/770-1626)



Item no.: 770-1627

Mounting plate; 2-pole; for distribution connectors; Plastic; white

[www.wago.com/770-1627](http://www.wago.com/770-1627)

## Downloads

### Documentation

#### Bid Text

770-1634 X81 - Datei	2019 Feb 19	xml 2.8 kB	Download
770-1634 doc - Datei	2015 Mar 12	doc 23.6 kB	Download

### CAD/CAE-Data

#### CAE data

WSCAD Universe 770-1634	URL	Download
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### Environmental Product Compliance

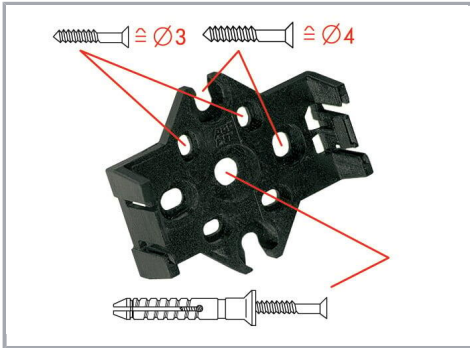
#### Compliance Search

Environmental Product Compliance 770-1634 h-distribution connector; 2-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 2 locking levers; black	URL	Download
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### Installation Notes

#### Installation

Subject to changes. Please also observe the further product documentation!



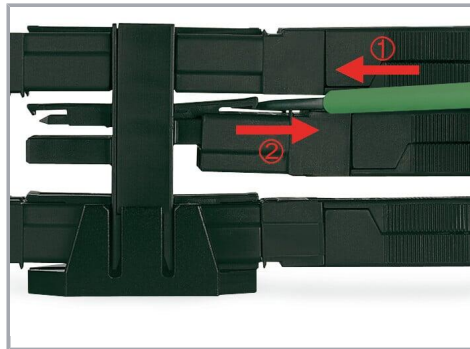
Mounting plates can be secured using commercially available screws or nail-drive anchors.



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.

## Product family

**WINSTA® MIDI**

[Show all products from the family](#)

Subject to changes. Please also observe the further product documentation!