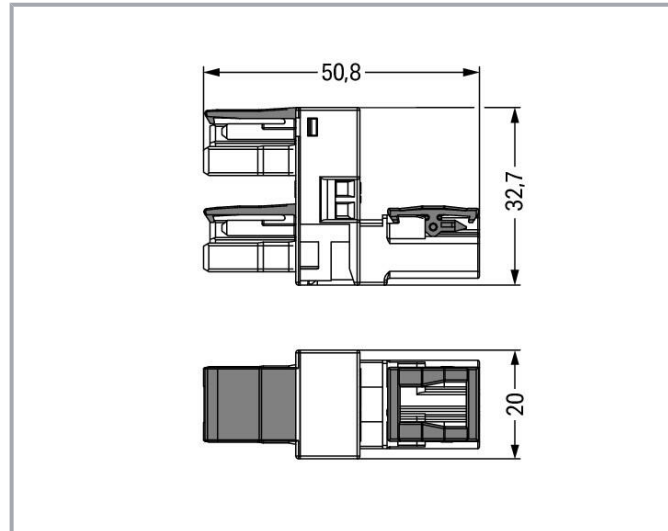


## Data sheet | Item number: 770-1753

h-distribution connector; 2-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; pink

[www.wago.com/770-1753](http://www.wago.com/770-1753)



### Item description

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

The *WINSTA*® MIDI distribution connector with protection against mismatching supports fast, reliable installation. Our pluggable installation connectors with spring pressure connection technology work without screw connections. They allow resource-efficient, error-free installation in a large number of applications. 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 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!)). B coding enables the *WINSTA*® MIDI pluggable installation connectors to be used for application control in the domains of automation, robotics, and mechanical engineering. This pluggable installation connector is used for electrical currents up to 25 A. Thus the product is ideally suitable for high power loads. The *WINSTA*® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection

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.



technology facilitates safe electrification. Thanks to the included test slot, connections can be checked even when they are plugged in. This saves time, labor, and money.

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

The WINSTA® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and thus faster, even more reliable, and error-free. Use of this pre-assembled system reduces time spent on assembly and errors during installation at the construction site. Now you can also lower 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 B coding for use in automation of processes, such as lighting technology, among other examples
- custom-engineered solutions
- quick replacement of defective units during ongoing operation

### Data 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

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.

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Rated voltage (UL 1977)	600 V
-------------------------	-------

Rated current UL 1977	23 A
-----------------------	------

## General

Note on contact resistance	approx. 1 mΩ of contact resistance 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	Control technology
-------------	--------------------

Coding	B
--------	---

Variable coding	No
-----------------	----

Marking	1 2
---------	-----

Potential marking	1 2
-------------------	-----

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!)
-----------------	---

Suitable	for flying leads
----------	------------------

## Plug-in connection

Contact type (pluggable connector)	Socket/plug
------------------------------------	-------------

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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
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	pink
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.275 MJ
Weight	15.6 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)	50 pcs

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Packaging type	box
Country of origin	DE
GTIN	4050821531319
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.770-282</b> Socket; 2-pole; Cod. B; 4,00 mm <sup>2</sup> ; pink	<a href="http://www.wago.com/770-282">www.wago.com/770-282</a>
	<b>Item no.770-292</b> Plug; 2-pole; Cod. B; 4,00 mm <sup>2</sup> ; pink	<a href="http://www.wago.com/770-292">www.wago.com/770-292</a>
	<b>Item no.771-8992/005-107</b> pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. B; Control cable 2 x 1.0 mm <sup>2</sup> ; 1 m; 1,00 mm <sup>2</sup> ; pink	<a href="http://www.wago.com/771-8992/005-107">www.wago.com/771-8992/005-107</a>
	<b>Item no.771-8992/105-107</b> pre-assembled connecting cable; Socket/open-ended; 2-pole; Cod. B; Control cable 2 x 1.0 mm <sup>2</sup> ; 1 m; 1,00 mm <sup>2</sup> ; pink	<a href="http://www.wago.com/771-8992/105-107">www.wago.com/771-8992/105-107</a>
	<b>Item no.771-8992/205-107</b> pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. B; Control cable 2 x 1.0 mm <sup>2</sup> ; 1 m; 1,00 mm <sup>2</sup> ; pink	<a href="http://www.wago.com/771-8992/205-107">www.wago.com/771-8992/205-107</a>

## Optional accessories

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>

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



Item no.: 770-201

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

[www.wago.com/770-201](http://www.wago.com/770-201)



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

770-1753 X81 - Datei	2019 Feb 19	xml 2.9 kB	Download
770-1753 doc - Datei	2015 Mar 12	doc 23.6 kB	Download

### CAD/CAE-Data

#### CAD data

2D/3D Models 770-1753	URL	Download
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#### CAE data

WSCAD Universe 770-1753	URL	Download
ZUKEN Portal 770-1753	URL	Download

## Environmental Product Compliance

### Compliance Search

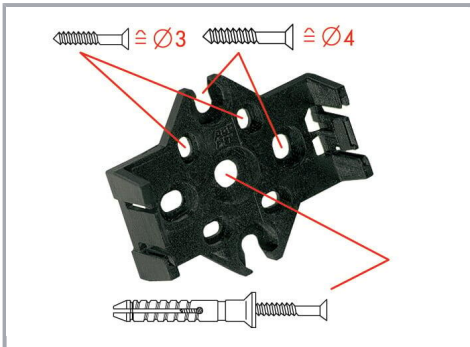
Subject to changes. Please also observe the further product documentation!

Environmental Product Compliance 770-1753

h-distribution connector; 2-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; pink

## Installation Notes

### Installation



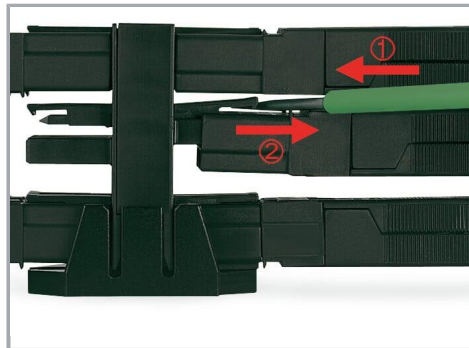
Mounting plates can be secured using commercially available screws or nail-drive anchors.



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.

## Product family

**WINSTA® MIDI**

[Show all products from the family](#)

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