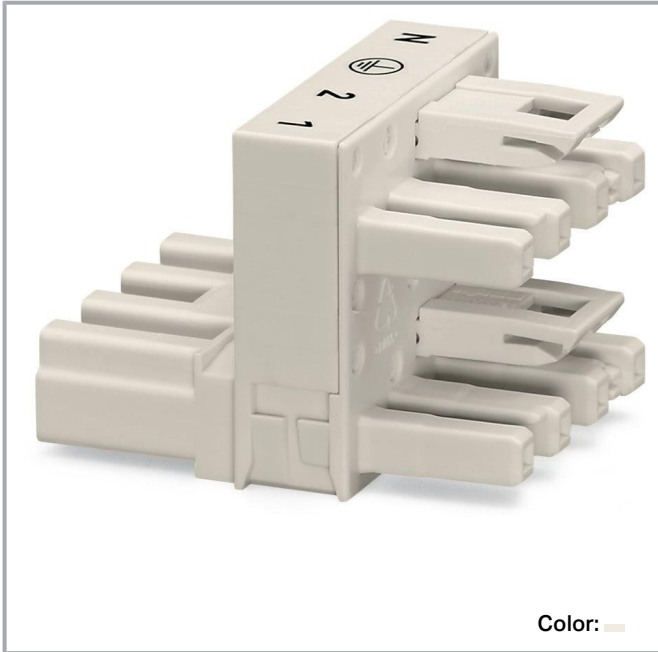


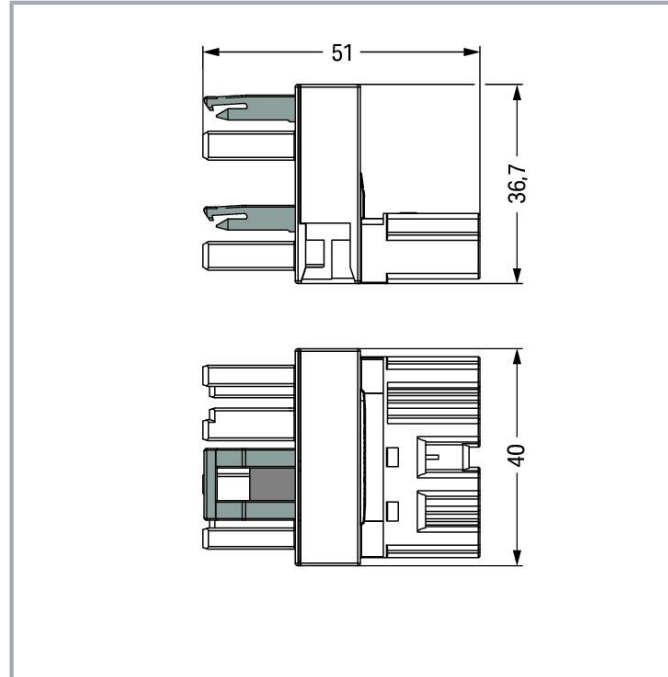
## Data sheet | Item number: 770-994

h-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 2 locking levers; white

[www.wago.com/770-994](http://www.wago.com/770-994)



Color:



### Item description

#### Distribution connector *WINSTA*® MIDI A coding

The *WINSTA*® MIDI distribution connector A coding is the pluggable solution for your use in control cabinets, for lighting connections or on PCBs. Our pluggable installation connectors with spring pressure connection technology function without screw connections. They allow fast, efficient, error-free installation in numerous possible uses. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. 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!)). The *WINSTA*® MIDI pluggable installation connector with A coding in white or black is usually used for general mains applications in power distribution. This pluggable installation connector can be used for electrical currents up to 25 A. Thus the product is also suitable for high power loads. The *WINSTA*® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates exemplary electrification. Due to the included test slot, connections can be checked even when they are plugged in. This saves time, labor, and money.

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.



## 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 quality and safety: The WINSTA® MIDI pluggable installation connector with protection against mismatching reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- for automation controllers
- with A coding for use in a large number of general mains applications
- flexible installation to save space
- quick replacement of defective units during ongoing operation

### Data

#### Electrical data

#### Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	400 V
Rated impulse voltage (III/3)	6 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 approx. 0.25 mΩ contact transition plug/socket
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Subject to changes. Please also observe the further product documentation!



## Connection data

Total number of potentials	4
PE function	Preceding PE contact

## 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	51 mm / 2.008 inches

## Mechanical Data

Application	General mains applications
Coding	A
Marking	N $\perp$ 2/L 1/L'
Potential marking	N $\perp$ 2/L 1/L'
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 <i>WINSTA</i> <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

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



## 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	white
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.534 MJ
Weight	31.6 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)	25 pcs
Packaging type	box
Country of origin	DE
GTIN	4045454982041
Customs tariff number	85366990990


**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
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Subject to changes. Please also observe the further product documentation!

## Approvals / Certificates

### General approvals

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

## Counterpart

	<b>Item no.770-124</b> Socket; with strain relief housing; 4-pole; Cod. A; 4,00 mm <sup>2</sup> ; white	<a href="http://www.wago.com/770-124">www.wago.com/770-124</a>
	<b>Item no.770-134</b> Plug; with strain relief housing; 4-pole; Cod. A; 4,00 mm <sup>2</sup> ; white	<a href="http://www.wago.com/770-134">www.wago.com/770-134</a>
	<b>Item no.770-234</b> Plug; 4-pole; Cod. A; 4,00 mm <sup>2</sup> ; white	<a href="http://www.wago.com/770-234">www.wago.com/770-234</a>
	<b>Item no.770-224</b> Socket; 4-pole; Cod. A; 4,00 mm <sup>2</sup> ; white	<a href="http://www.wago.com/770-224">www.wago.com/770-224</a>
	<b>Item no.771-9994/006-102</b> pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. A; H05VV-F 4G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; white	<a href="http://www.wago.com/771-9994/006-102">www.wago.com/771-9994/006-102</a>
	<b>Item no.771-9994/106-102</b> pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. A; H05VV-F 4G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; white	<a href="http://www.wago.com/771-9994/106-102">www.wago.com/771-9994/106-102</a>
	<b>Item no.771-9994/206-102</b> pre-assembled connecting cable; Eca; Plug/open-ended; 4-pole; Cod. A; H05VV-F 4G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; white	<a href="http://www.wago.com/771-9994/206-102">www.wago.com/771-9994/206-102</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>
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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.: 770-624

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

[www.wago.com/770-624](http://www.wago.com/770-624)



Item no.: 770-674

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

[www.wago.com/770-674](http://www.wago.com/770-674)

## Downloads

### Documentation

#### Bid Text

770-994 X81 - Datei	2019 Feb 19	xml 2.8 kB	Download
770-994 doc - Datei	2015 Mar 12	doc 23.6 kB	Download

### CAD/CAE-Data

#### CAD data

2D/3D Models 770-994	URL	Download
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#### CAE data

WSCAD Universe 770-994	URL	Download
ZUKEN Portal 770-994	URL	Download

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

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 770-994

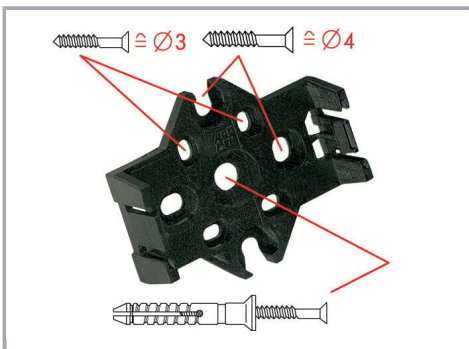
[URL](#)

[Download](#)

h-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 2 locking levers; white

## Installation Notes

### Installation



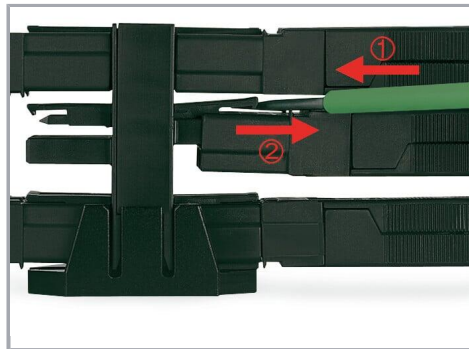
Mounting plates can be secured using commercially available screws or nail-drive anchors.



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.

## Product family

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

Data sheet | Item number: 770-994

[www.wago.com/770-994](http://www.wago.com/770-994)



**WINSTA® MIDI**

[Show all products from the family](#)

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