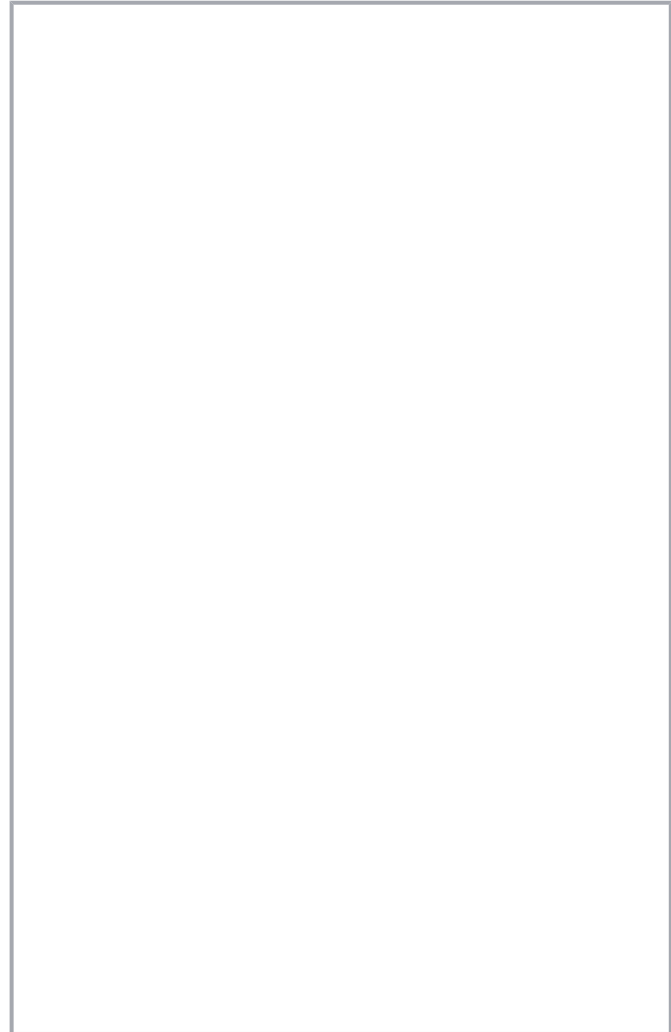


**Data sheet | Item number: 770-993**

h-distribution connector; 5-pole; Cod. I; 1 input; 2 outputs; outputs on both sides; 3 locking levers; for flying leads; blue



[www.wago.com/770-993](http://www.wago.com/770-993)



**Color:**

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

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## Item description

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

The *WINSTA*® MIDI distribution connector with locking latch supports fast, reliable installation. WAGO pluggable installation connectors can be used when requirements repeat or are planned on a specific grid, for example for installing grid lighting or flush-mount lighting. For greater protection in electrical installations, the pluggable installation connector is provided with mechanical 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. I coding in blue is used to identify *WINSTA*® MIDI pluggable installation connectors, which are used above all in building automation for controlling lighting. This pluggable installation connector can be used for a current load of up to 25 A. Therefore, it can also be used for high power loads. Our *WINSTA*® MIDI product line allows total flexibility for the installation of applications. Through its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees time-saving, error-free installation and offers flexibility for meeting various installation requirements.

### 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 thus faster, even more reliable, and error-free. Using this pre-assembled system decreases assembly times and installation errors at the construction site. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology tool! Plan your installation with *WINSTA*® MIDI pluggable installation connectors with locking lever from WAGO.

- protection against mismatching eliminates errors
- for automation controllers
- with I coding for lighting control (DALI standard)
- exact dimensions
- 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

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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 information

Note on contact resistance

approx. 1 mΩ of contact resistance  
approx. 0.25 mΩ contact transition plug/socket

## Connection data

Total number of potentials

5

PE function

Preceding PE contact

## Connection 1

Pole number

5

## Physical data

Pin spacing

10 mm / 0.394 inches

Width

50 mm / 1.969 inches

Height

36.7 mm / 1.445 inches

Depth

51 mm / 2.008 inches

## Mechanical Data

Application

DALI, Lighting Management

Coding

I

Variable coding

No

Marking

N  $\frac{\perp}{\perp}$  L DA- DA+

Potential marking

N  $\frac{\perp}{\perp}$  L DA- DA+

Mating force of a plug-in connection

approx. 20 ... 70 N (depending on pole number)

Retention force of a plug-in connection

When locked: &gt; 80 N

Unmating force of a plug-in connection

Unlocked: approx. 20 ... 70 N (depending on pole number)

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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

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
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)	Information on material specifications can be found here
Color	blue
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.685 MJ
Weight	38.4 g

### Environmental requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C

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Note on continuous operating temperature

Insulating parts for temperatures  $\leq 105\text{ }^{\circ}\text{C}$ 

## 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	4045454853433
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
	cURus Underwriters Laboratories Inc.	UL 1059	E 45172

## Counterpart

Item no.770-1105 Socket; 5-pole; Cod. I; 4,00 mm <sup>2</sup> ; blue	<a href="http://www.wago.com/770-1105">www.wago.com/770-1105</a>
Item no.770-1105/022-000 Socket; with strain relief housing; 5-pole; Cod. I; 4,00 mm <sup>2</sup> ; blue	<a href="http://www.wago.com/770-1105/022-000">www.wago.com/770-1105/022-000</a>
Item no.770-1115 Plug; 5-pole; 4,00 mm <sup>2</sup> ; blue	<a href="http://www.wago.com/770-1115">www.wago.com/770-1115</a>
Item no.770-1115/022-000 Plug; with strain relief housing; 5-pole; Cod. I; 4,00 mm <sup>2</sup> ; blue	<a href="http://www.wago.com/770-1115/022-000">www.wago.com/770-1115/022-000</a>
Item no.771-9985/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. I; H05VV-F 5G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; blue	<a href="http://www.wago.com/771-9985/006-101">www.wago.com/771-9985/006-101</a>
Item no.771-9985/106-101	

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



pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. I; H05VV-F 5G 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; blue [www.wago.com/771-9985/106-101](http://www.wago.com/771-9985/106-101)

**Item no. 771-9985/206-101**  
pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. I; H05VV-F 5G 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; blue [www.wago.com/771-9985/206-101](http://www.wago.com/771-9985/206-101)

## Optional accessories

### Cover

Cover

**Item no.: 770-360**  
Lockout cap; for plugs; 5-pole; separable; yellow [www.wago.com/770-360](http://www.wago.com/770-360)

**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.: 770-625**  
Mounting plate; 5-pole; for distribution connectors; Plastic; black [www.wago.com/770-625](http://www.wago.com/770-625)

**Item no.: 770-675**  
Mounting plate; 5-pole; for distribution connectors; Plastic; white [www.wago.com/770-675](http://www.wago.com/770-675)

## Downloads

### Documentation

#### Bid Text

770-993 X81 - Datei	19 Feb 2019	xml 2.9 kB	Download
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770-993 doc - Datei	12 Mar 2015	doc 23.6 kB	Download
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ausschreiben.de 770-993		URL	Download
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### CAD/CAE-Data

#### CAE data

WSCAD Universe 770-993		URL	Download
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## CAD data

2D/3D Models 770-993

[URL](#)

[Download](#)

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 770-993

[URL](#)

[Download](#)

h-distribution connector; 5-pole; Cod. I; 1 input; 2 outputs; outputs on both sides; 3 locking levers; for flying leads; blue

## Installation Notes

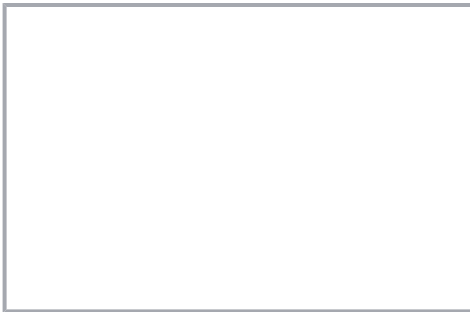
### Installation



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.

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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](#)

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