

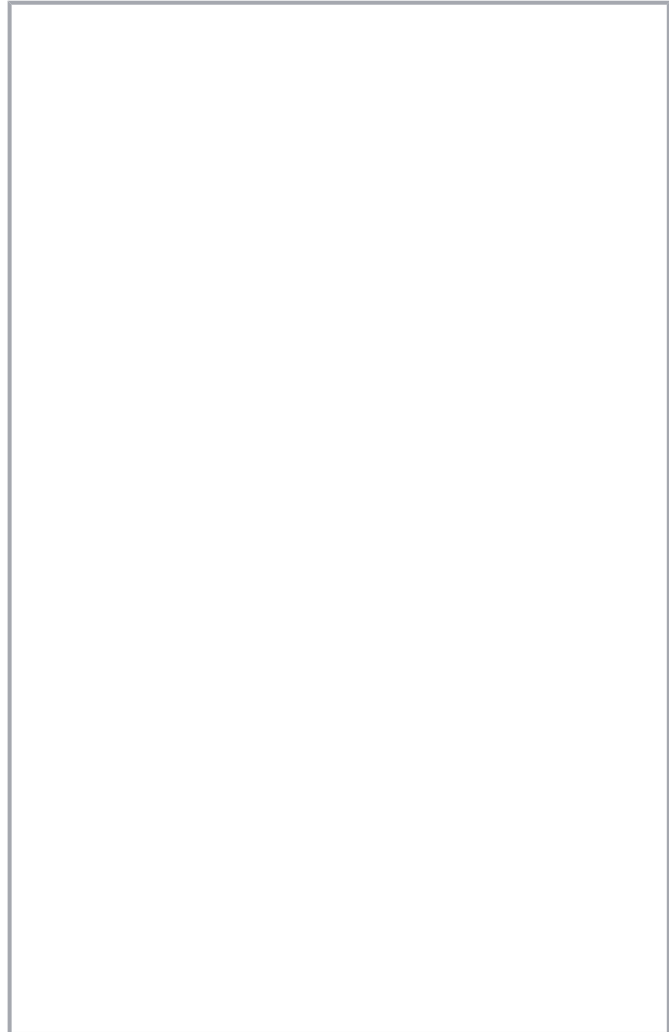
Data sheet | Item number: 770-1636

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

www.wago.com/770-1636



Color:



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

WAGO GmbH & Co. KG
Hansastr. 27
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Phone: +49571 887-0 | Fax: +49571 887-169
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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.



Item description

Distribution connector *WINSTA*® MIDI with protection type IP20

The *WINSTA*® MIDI distribution connector with locking latch supports rapid, correct installation. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to many different requirements in no time flat. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. The pluggable installation connector offers touch-proof protection 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!)). Standard mains applications for almost any domain of use can be realised with *WINSTA*® MIDI pluggable installation connectors with A coding. Important parameters in the selection of a pluggable installation connector are the rated current and voltage: 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 high power loads. The *WINSTA*® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates exemplary electrification. Due to the built-in test slot, it is possible to check connections 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 allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with *WINSTA*® MIDI pluggable installation connectors with protection against mismatching from WAGO.

- pluggable installation connectors with protection against mismatching
- for automation controllers
- with A coding for use in many general mains applications
- custom-engineered solutions
- 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

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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

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 at one end

Protection type

IP20; When mated: IP2xC (These compact connectors are not

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designed for use in open, easily accessible areas!

Suitable	for flying leads
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Plug-in connection

Contact type (pluggable connector)	Socket/plug
Mismating protection	Yes
Note on mismating protection	All <i>WINSTA</i> [®] 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	

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	0.274 MJ
Weight	15.5 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

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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	4050821531340
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.770-102/041-000 Socket; with strain relief housing; 2-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-102/041-000
Item no.770-112/041-000 Plug; with strain relief housing; 2-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-112/041-000
Item no.770-202 Socket; 2-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-202
Item no.770-212 Plug; 2-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-212
Item no.771-8992/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. A; H05VV-F 2 x 1.5 mm ² ; 1 m; 1,50 mm ² ; black	www.wago.com/771-8992/006-101
Item no.771-8992/106-101	www.wago.com/771-8992

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pre-assembled connecting cable; Eca; Socket/open-ended; 2-pole; Cod. A; H05VV-F 2 x 1.5 mm²; 1 m; 1,50 mm²; black /106-101

Item no. 771-8992/206-101

pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. A; H05VV-F 2 x 1.5 mm²; 1 m; 1,50 mm²; black

www.wago.com/771-8992/206-101

Optional accessories**Cover**

Cover

Item no.: 770-360

Lockout cap; for plugs; 5-pole; separable; yellow

www.wago.com/770-360

Item no.: 770-201

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

www.wago.com/770-201

Item no.: 770-221

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

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

Item no.: 770-1627

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

www.wago.com/770-1627

Downloads**Documentation****Bid Text**

770-1636 X81 - Datei	2019 年2月19 日	xml 2.9 kB	Download
770-1636 doc - Datei	2015 年3月12 日	doc 23.6 kB	Download

CAD/CAE-Data**CAE data**

WSCAD Universe 770-1636	URL	Download
ZUKEN Portal 770-1636	URL	Download

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CAD data

2D/3D Models 770-1636

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-1636

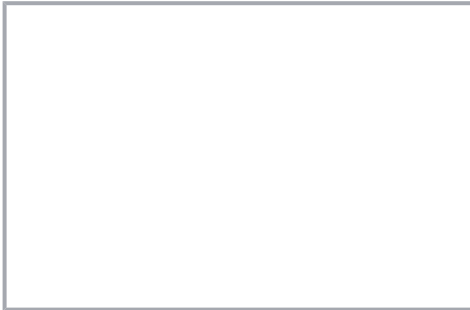
[URL](#)

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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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