

Data sheet | Item number: 770-637

Distribution connector for switches; Single-pole switch and series circuit; 3-pole; Cod. A/S; 1 input; 5 outputs; black

www.wago.com/770-637



Color:



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

WAGO GmbH & Co. KG
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Item description

Distribution connector *WINSTA*® MIDI rated current 25 A

For power and signal transmission: The *WINSTA*® MIDI distribution connector rated current 25 A. WAGO pluggable installation connectors are used when specifications repeat or are planned on a specified pattern, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, secure 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 normally used for general mains applications in power distribution. This pluggable installation connector is designed for a load of up to 25 A. Thus, it can also be used for high power loads. The *WINSTA*® MIDI product line achieves total flexibility for the installation of applications. Through its Push-in CAGE CLAMP® spring pressure connection technology, it ensures error-free, time-saving installation and offers customization and flexibility for meeting various installation

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requirements.

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

The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Choose durability and quality – the WINSTA® MIDI pluggable installation connector with protection against mismatching from WAGO makes the installation of electrical components significantly easier.

- effective protection against mismatching
- pre-assembled versions
- with A coding for a large number of uses
- ready for immediate use
- rapid, structured electrical 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 information

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket
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Connection data

Total number of potentials	3
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Connection 1

Pole number	3
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Physical data

Pin spacing	10 mm / 0.394 inches
Width	38 mm / 1.496 inches
Height	52.5 mm / 2.067 inches
Depth	46 mm / 1.811 inches

Mechanical Data

Application	General mains applications
Coding	A
Marking	plain
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	Distribution connector for single-pole switch or series circuits
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 [®] 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

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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	6
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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	0.771 MJ
Weight	44.5 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

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)	10 pcs
Packaging type	box
Country of origin	DE
GTIN	4045454251499
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
	CCA DEKRA Certification B.V.	EN 61535	71- 123228
	CCA DEKRA Certification B.V.	IEC 61535	NL -84761
	cURus Underwriters Laboratories Inc.	UL 1059	E 45172

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19- HG1868589- PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
	LR Lloyds Register	IEC 61984	LR22429487TA

Counterpart

Item no.770-103 Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-103
Item no.770-113 Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-113
Item no.770-203 Socket; 3-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-203
Item no.770-203/035-000 Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-203/035-000
Item no.770-1373 Plug; 3-pole; 4,00 mm ² ; brown	www.wago.com/770-1373
Item no.770-213/035-000 Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-213/035-000

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Item no.770-213 Plug; 3-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-213
Item no.771-9973/006-105 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. S; H05VV-F 3 x 1.5 mm ² ; 1 m; 1,50 mm ² ; brown	www.wago.com/771-9973/006-105
Item no.771-9973/206-105 pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. S; H05VV-F 3 x 1.5 mm ² ; 1 m; 1,50 mm ² ; brown	www.wago.com/771-9973/206-105
Item no.771-9993/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05VV-F 3G 1.5 mm ² ; 1 m; 1,50 mm ² ; black	www.wago.com/771-9993/006-101
Item no.771-9993/106-101 pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. A; H05VV-F 3G 1.5 mm ² ; 1 m; 1,50 mm ² ; black	www.wago.com/771-9993/106-101
Item no.771-9993/206-101 pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. A; H05VV-F 3G 1.5 mm ² ; 1 m; 1,50 mm ² ; black	www.wago.com/771-9993/206-101

Optional accessories

Mounting

Mounting accessories

Item no.: 770-623 Mounting plate; 3-pole; for distribution connectors; Plastic; black	www.wago.com/770-623
Item no.: 770-673 Mounting plate; 3-pole; for distribution connectors; Plastic; white	www.wago.com/770-673

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

Jumpers

Jumper

Item no.: 770-113/147-000 Shorting plug; with assembled strain relief housing; 3-pole; Cod. A; Bridge L-N; 4,00 mm ² ; black	www.wago.com/770-113/147-000
Item no.: 770-1373/146-000 Shorting plug; with assembled strain relief housing; 3-pole; Cod. S; Bridge 1-2; 4,00 mm ² ; brown	www.wago.com/770-1373/146-000

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Item no.: 770-1373/147-000

Shorting plug; with assembled strain relief housing; 3-pole; Cod. S; Bridge 1-L; 4,00 mm²; brown

www.wago.com/770-1373/147-000

Item no.: 770-1373/148-000

Shorting plug; with assembled strain relief housing; 3-pole; Cod. S; Bridge 2-L; 4,00 mm²; brown

www.wago.com/770-1373/148-000

Item no.: 770-1373/149-000

Shorting plug; with assembled strain relief housing; 3-pole; Cod. S; Bridge 1-2, 2-L; 4,00 mm²; brown

www.wago.com/770-1373/149-000

Downloads

Documentation

Bid Text

770-637 X81 - Datei	2019 年2月19 日	xml 3.0 kB	Download
770-637 doc - Datei	2015 年3月12 日	doc 24.1 kB	Download

CAD/CAE-Data

CAE data

EPLAN Data Portal 770-637	URL	Download
WSCAD Universe 770-637	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-637 Distribution connector for switches; Single-pole switch and series circuit; 3-pole; Cod. A/S; 1 input; 5 outputs; black	URL	Download
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Installation Notes

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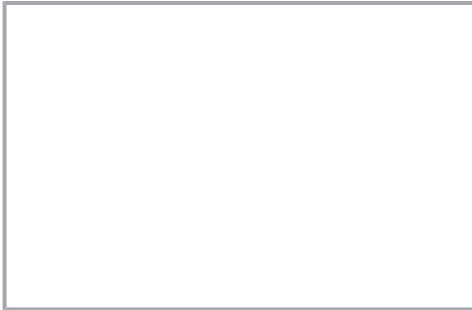
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Internal circuit of 770-637 Distribution Connector with possible insertion position of 770-1373/14x-000 Shorting Plug

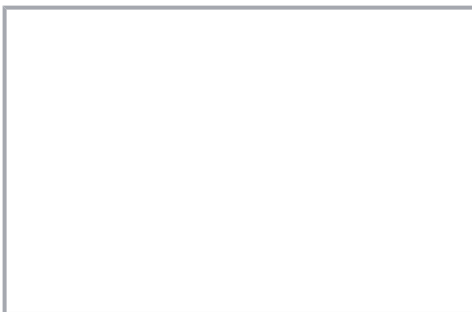


Internal circuit of 770-637 Distribution Connector with insertion position of 770-113 /147-000 Shorting Plug for connecting a motion sensor

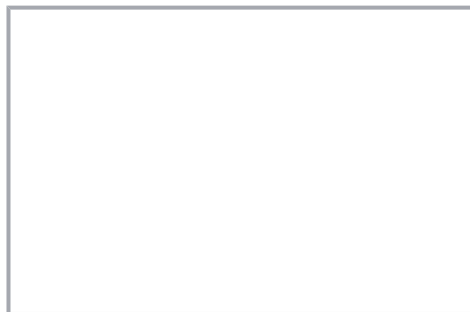


Internal circuit of 770-637 Distribution Connector with insertion position of 770-113 /147-000 Shorting Plug for connecting a switch with control lamp

Installation

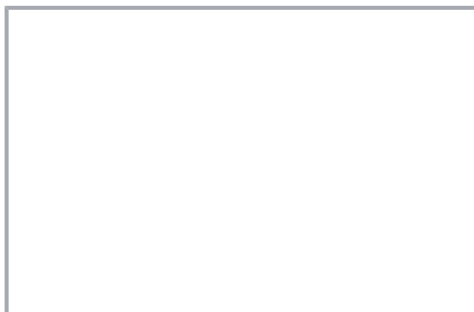


Mounting plates can be secured using commercially available screws or nail-drive anchors.

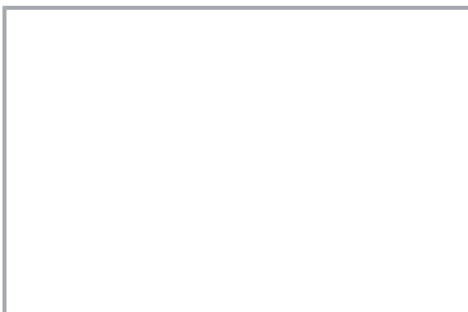


The distribution connectors snap together when attached to the mounting plate.

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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

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