

Data sheet | Item number: 770-1615

T-distribution connector; 2-pole; Cod. A; 1 input; 2 outputs; 3 locking levers;
for flying leads; black

www.wago.com/770-1615



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
Email: info.de@wago.com | Web: www.wago.com

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 A coding

The *WINSTA*® MIDI distribution connector with protection against mismatching supports rapid, correct installation. The pluggable installation connectors with spring pressure connection technology function without screw connections. They allow flexible, error-free installation in numerous possible uses. 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!)). This means that users' fingers will never come into contact with electrified elements. The *WINSTA*® MIDI pluggable installation connector with A coding in black or white is normally used for general mains applications in power distribution. This pluggable installation connector is used for electrical currents up to 25 A. Thus the product is also suitable for high power loads. *WINSTA*® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in a broad range of individual products you can use for quick, easy, secure, tailored electrical installation.

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 fast, secure and, above all, error-free installation of components and cables. Choose quality and durability – the *WINSTA*® MIDI pluggable installation connector with marking from WAGO makes the installation of electrical components visibly easier.

- effective protection against mismatching
- for automation controllers
- suitable for any application
- exact dimensions
- 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

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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
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Connection 1

Pole number	2
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Physical data

Pin spacing	10 mm / 0.394 inches
Width	23.5 mm / 0.925 inches
Height	35.9 mm / 1.413 inches
Depth	48.9 mm / 1.925 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	T-distribution connector
Protection type	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

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Suitable

for flying leads

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 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	0.257 MJ
Weight	11.5 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

Commercial data

Product Group	20 (Winsta)
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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	4050821531180
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.770-212 Plug; 2-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-212
Item no.770-202 Socket; 2-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-202
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 pre-assembled connecting cable; Eca; Socket/open-ended; 2-pole; Cod. A; H05VV-F 2 x 1.5 mm ² ; 1 m; 1,50 mm ² ; black	www.wago.com/771-8992/106-101
Item no.771-8992/206-101 pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. A; H05VV-F 2 x 1.5 mm ² ; 1 m; 1,50 mm ² ; black	www.wago.com/771-8992/206-101

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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

Downloads

Documentation

Bid Text

770-1615 X81 - Datei	2019 年2月19 日	xml 2.9 kB	Download
770-1615 doc - Datei	2015 年3月12 日	doc 23.0 kB	Download

CAD/CAE-Data

CAE data

WSCAD Universe 770-1615		URL	Download
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CAD data

2D/3D Models 770-1615		URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-1615 T-distribution connector; 2-pole; Cod. A; 1 input; 2 outputs; 3 locking levers; for flying leads; black		URL	Download
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Installation Notes

Product family

WINSTA® MIDI

[Show all products from the family](#)

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