

Data sheet | Item number: 770-622

T-distribution connector; 5-pole; Cod. A; 1 input; 2 outputs; 3 locking levers;
for flying leads; black

www.wago.com/770-622



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

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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 rated current 25 A provides the foundation for assembly of solid and fine-stranded conductors. WAGO pluggable installation connectors are useful when requirements repeat or are planned on a specific pattern, for example for installing grid lighting or flush-mount lighting. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including 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 electrified contact elements. Standard mains applications for almost any domain of use can be implemented with *WINSTA*® MIDI pluggable installation connectors with A coding. This pluggable installation connector can be used for electrical currents up to 25 A. Thus the product is especially suitable for high power loads. *WINSTA*® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in can be found in a variety of projects you can use for quick, easy, secure, tailored installation.

Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It ensures error-free installation of cables and components, quickly and reliably. Now you can also lower installation expenses without compromising safety and quality: The *WINSTA*® MIDI pluggable installation connector with protection type IP20 reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- for automation controllers
- with A coding for a large number of uses
- flexible installation to save space
- convenient installation and commissioning

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

54 mm / 2.126 inches

Height

35.9 mm / 1.413 inches

Depth

48.9 mm / 1.925 inches

Mechanical Data

Application

General mains applications

Coding

A

Marking

L3 L2 L1 ⊥ N

Potential marking

L3 L2 L1 ⊥ 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

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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!)
Suitable	for flying leads

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	0.521 MJ
Weight	23.7 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

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	4044918935050
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 1977	E45171
	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	-	TAE00001Z6

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Det Norske Veritas, Germanischer Lloyd

LR
Lloyds Register

IEC 61984

LR22429487TA

Counterpart

Item no.770-105 Socket; with strain relief housing; 5-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-105
Item no.770-115 Plug; with strain relief housing; 5-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-115
Item no.770-215 Plug; 5-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-215
Item no.770-205 Socket; 5-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-205
Item no.770-305 Socket; with strain relief housing; 5-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-305
Item no.770-315 Plug; with strain relief housing; 5-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-315
Item no.770-405 Socket; 5-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-405
Item no.770-415 Plug; 5-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-415
Item no.771-9995/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. A; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; black	www.wago.com/771-9995/006-101
Item no.771-9995/206-101 pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. A; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; black	www.wago.com/771-9995/206-101
Item no.771-9995/106-101 pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. A; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; black	www.wago.com/771-9995/106-101

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

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Item no.: 770-354

Mounting plate; 2- to 5-pole; for distribution connectors; silver-colored

www.wago.com/770-354

Downloads

Documentation

Bid Text

770-622 X81 - Datei	2019 年2月19 日	xml 2.9 kB	Download
770-622 doc - Datei	2015 年3月12 日	doc 23.6 kB	Download
ausschreiben.de 770-622		URL	Download

CAD/CAE-Data

CAD data

2D/3D Models 770-622		URL	Download
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CAE data

WSCAD Universe 770-622		URL	Download
ZUKEN Portal 770-622		URL	Download
EPLAN Data Portal 770-622		URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-622 T-distribution connector; 5-pole; Cod. A; 1 input; 2 outputs; 3 locking levers; for flying leads; black		URL	Download
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Installation Notes

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Product family

WINSTA® MIDI

[Show all products from the family](#)

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