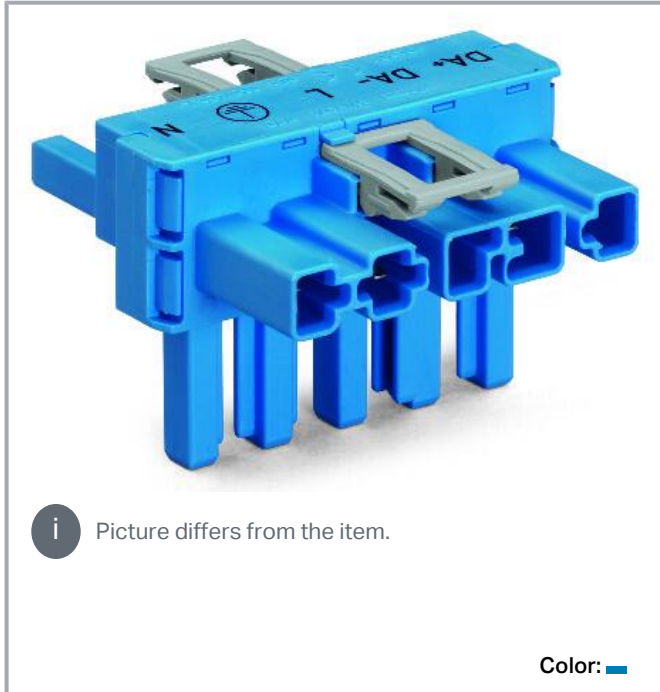


Data sheet | Item number: 770-620

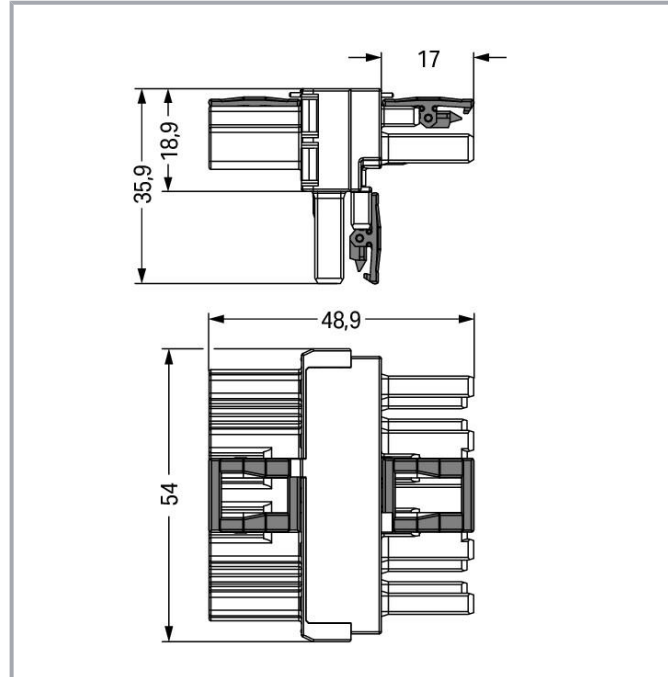
T-distribution connector; 5-pole; Cod. I; 1 input; 2 outputs; 3 locking levers;
for flying leads; blue

www.wago.com/770-620



 Picture differs from the item.

Color: 



Item description

Distribution connector *WINSTA*® MIDI with protection against mismatching

The *WINSTA*® MIDI distribution connector 5-pole is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to an enormous variety of requirements in seconds. 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 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!)). Controlled lighting, as used in the DALI standard, for instance, is the main use of *WINSTA*® MIDI pluggable installation connectors with I coding. This pluggable installation connector can be used for electrical currents up to 25 A. Thus the product is ideally suitable 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 achieves error-free, time-saving installation and offers customization for meeting all installation requirements.

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

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Do you have any questions about our products?
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Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

WINSTA® is the pluggable connection system that is ideally 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 protection against mismating from WAGO makes the electrical installation of electrical components substantially easier.

- pluggable installation connectors with protection against mismating
- pre-assembled versions
- with I coding for controlling light (DALI standard)
- custom-engineered solutions
- quick replacement of defective units during ongoing operation

Data

Electrical data

Note on contact resistance

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

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
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Ratings per UL

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

Connection data

Total number of potentials 5

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PE function	Preceding PE contact
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Connection 1

Pole number	5
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Physical data

Pin spacing	10 mm / 0.394 inch
Width	54 mm / 2.126 inch
Height	35.9 mm / 1.413 inch
Depth	48.9 mm / 1.925 inch

Mechanical data

Application	DALI, Lichtmanagement
Coding	I
Variable coding	No
Marking	N ∇ L DA- DA+
Potential marking	N ∇ 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: > 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!)
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

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



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).

Material data

Note (material data)	Information on material data can be found here
Color	blue
Insulation material	Polyamide (PA66)
Contact material	Copper or copper alloy; surface-treated
Fire load	0.466 MJ
Weight	24.9 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

PU (SPU)	50 Stück
Packaging type	box
Country of origin VKOrg Germany	DE
GTIN	4044918934985
Customs tariff number VKOrg Germany	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 61535	2173495.02
	CCA DEKRA Certification B.V.	IEC 61535	NL-32105

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
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LR
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IEC 61984

02/20050
(E6)

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cURus Underwriters Laboratories Inc.	UL 1977	E45171

Counterpart

	Item no.770-1105/022-000 Socket; with strain relief housing; 5-pole; Cod. I; 4,00 mm ² ; blue	www.wago.com/770-1105/022-000
	Item no.770-1105 Socket; 5-pole; Cod. I; 4,00 mm ² ; blue	www.wago.com/770-1105
	Item no.770-1115 Plug; 5-pole; 4,00 mm ² ; blue	www.wago.com/770-1115
	Item no.771-9985/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. I; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; blue	www.wago.com/771-9985/006-101
	Item no.770-1115/022-000 Plug; with strain relief housing; 5-pole; 4,00 mm ² ; blue	www.wago.com/770-1115/022-000
	Item no.771-9985/106-101 pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. I; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; blue	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 ² ; 1 m; 1,50 mm ² ; blue	www.wago.com/771-9985/206-101

Optional accessories

Cover

Cover

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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; 12-pole; for sockets; black

www.wago.com/770-201

Item no.: 770-221

Lockout cap; for socket; 12-pole; separable; white

www.wago.com/770-221

Mounting

Mounting accessories



Item no.: 770-354

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

www.wago.com/770-354

Downloads

Documentation

Bid Text

770-620 X81 - Datei	19 Feb 2019	xml 2.9 kB	Download
770-620 doc - Datei	12 Mar 2015	doc 23.6 kB	Download
ausschreiben.de 770-620		URL	Download

CAD/CAE-Data

CAD data

2D/3D Models 770-620	URL	Download
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CAE data

EPLAN Data Portal 770-620	URL	Download
ZUKEN Portal 770-620	URL	Download
WSCAD Universe 770-620	URL	Download

Environmental Product Compliance

Compliance Search

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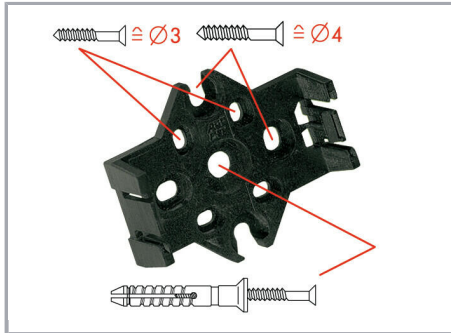
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Environmental Product Compliance 770-620

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

Installation Notes

Installation



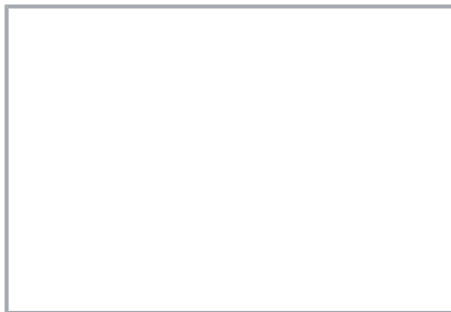
Mounting plates can be secured using commercially available screws or nail-drive anchors.



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



To release the distribution connector, unlock the latch using a screwdriver.



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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