

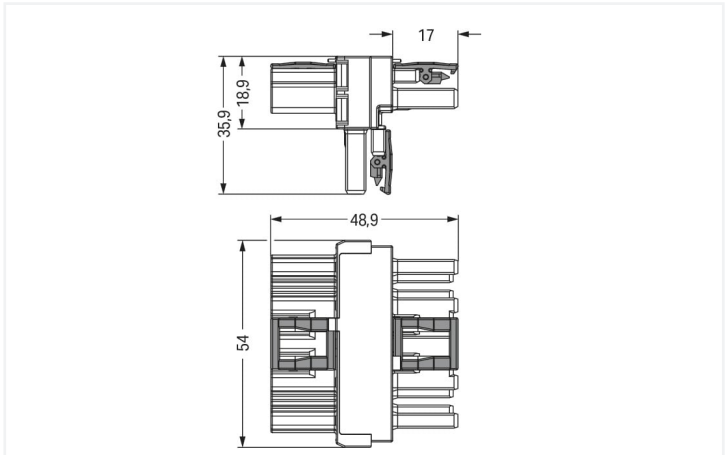
Data Sheet | Item Number: 770-622

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

<https://www.wago.com/770-622>



Color: ■ black



Dimensions in mm

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 mismating. 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 mismating
- for automation controllers
- with A coding for a large number of uses
- flexible installation to save space
- convenient installation and commissioning

Electrical data				
Ratings per		IEC/EN 60664-1		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		400 V	-	-
Rated surge voltage		6 kV	-	-
Rated current		25 A	-	-
Approvals per		UL 1977		
Rated voltage		600 V		
Rated current		23 A		
General				
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
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	
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	3

Material data	
Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	black
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.49 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




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

Approvals / Certificates

General approvals		Declarations of conformity and manufacturer's declarations
 		
Approval	Standard	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
		EU-Declaration of Conformity WAGO GmbH & Co. KG

Approvals for marine applications

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

Downloads
Environmental Product Compliance



Compliance Search			
Environmental Product Compliance 770-622			

Documentation			
Bid Text			
770-622	12.03.2015	doc 23.00 KB	
770-622	19.02.2019	xml 2.81 KB	
ausschreiben.de 770-622			

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 770-622	EPLAN Data Portal 770-622
	WSCAD Universe 770-622
	ZUKEN Portal 770-622

1 Compatible Products
1.1 System counterpart
1.1.1 Cable assembly



[Item No.: 771-9995/206-101](#)  
pre-assembled connecting cable; Eca;  
Plug/open-ended; 5-pole; Cod. A; H05VV-  
F 5G 1.5 mm²; 1 m; 1,50 mm²; black

[Item No.: 771-9995/106-101](#)  
pre-assembled connecting cable; Eca;  
Socket/open-ended; 5-pole; Cod. A;  
H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²;  
black

[Item No.: 771-9995/006-101](#)  
pre-assembled interconnecting cable;  
Eca; Socket/plug; 5-pole; Cod. A; H05VV-  
F 5G 1.5 mm²; 1 m; 1,50 mm²; black

1.1.2 Female connector/socket			
<a href="#">Item No.: 770-205</a> Socket; 5-pole; Cod. A; 4,00 mm²; black	<a href="#">Item No.: 770-405</a> Socket; 5-pole; Cod. A; 4,00 mm²; black	<a href="#">Item No.: 770-105</a> Socket; with strain relief housing; 5-pole; Cod. A; 4,00 mm²; black	<a href="#">Item No.: 770-305</a> Socket; with strain relief housing; 5-pole; Cod. A; 4,00 mm²; black

1.1.3 Male connector/plug



Item No.: 770-215  
Plug; 5-pole; Cod. A; 4,00 mm²; black



Item No.: 770-415  
Plug; 5-pole; Cod. A; 4,00 mm²; black



Item No.: 770-115  
Plug; with strain relief housing; 5-pole; Cod. A; 4,00 mm²; black



Item No.: 770-315  
Plug; with strain relief housing; 5-pole; Cod. A; 4,00 mm²; black

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



Item No.: 770-201  
Lockout cap; 12-pole, separable; for sockets; Plastic; black



Item No.: 770-221  
Lockout cap; 12-pole, separable; for sockets; Plastic; white



Item No.: 770-360  
Lockout cap; for plugs; 5-pole; separable; yellow

1.2.2 Installation

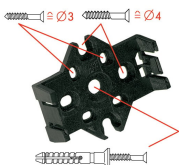
1.2.2.1 Mounting accessories



Item No.: 770-354  
Mounting plate; 2- to 5-pole; for distribution connectors; silver-colored

Installation Notes

Installation



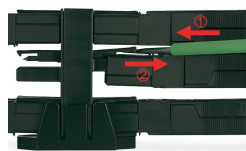
Mounting plates can be secured using commercially available screws or nail-drive anchors.



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.