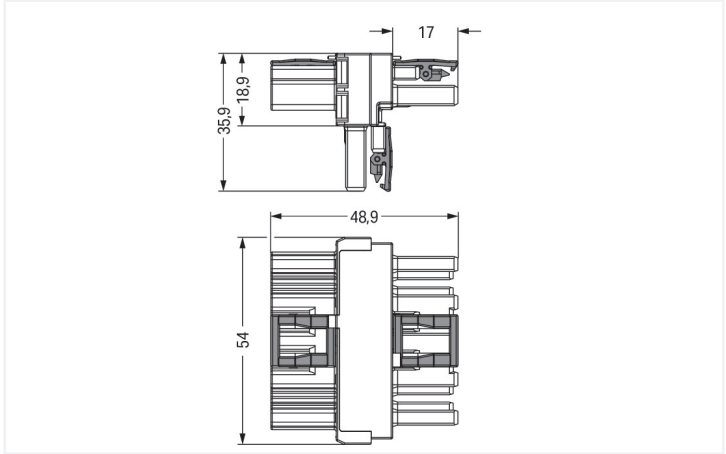


Color: ■ blue



Dimensions in mm

Distribution connector WINSTA® MIDI 5-pole

The WINSTA® MIDI distribution connector rated current 25 A supports fast, reliable installation. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to various requirements in seconds. The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector offers touch-proof protection with live components in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). Regulated lighting, as implemented in the DALI standard, for instance, is the primary domain of use of WINSTA® MIDI pluggable installation connectors with I coding. This pluggable installation connector is designed for a voltage load of up to 25 A. As a result, it can also be used for high power loads. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates safe electrification. Due to the included test slot, it is possible to check connections even when they are plugged in. This saves time, labor, and money.

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

WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Now you can also cut installation costs without compromising safety and quality: The WINSTA® MIDI pluggable installation connector with protection against mismating eliminates the need for servicing and prevents unnecessary downtime.

- effective protection against mismating
- simple circuits
- with I coding for lighting control (DALI standard)
- exact dimensions
- quick replacement of defective units during ongoing operation

Electrical data						
Ratings per		IEC/EN 60664-1			Approvals per	UL 1977
Overvoltage category		III	III	II	Rated voltage	600 V
Pollution degree		3	2	2	Rated current	23 A
Nominal voltage	400 V	-	-	-		
Rated surge voltage	6 kV	-	-	-		
Rated current	25 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	DALI, Lighting Management
Coding	I
Variable coding	No
Marking	DA+ DA- L ⊕ N
Potential marking	DA+ DA- 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!)
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)	Information on material specifications can be found here
Color	blue
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.514 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	
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	4044918934985
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	Certificate Name
Approval	Standard	Standard	
CCA DEKRA Certification B.V.	EN 61535	-	-
CCA DEKRA Certification B.V.	IEC 61535	-	-
cURus Underwriters Laboratories Inc.	UL 1977	-	-

Approvals for marine applications

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

Downloads
Environmental Product Compliance



Compliance Search			
Environmental Product Compliance 770-620			↓

Documentation			
Bid Text			
770-620	12.03.2015	doc 23.00 KB	↓
770-620	19.02.2019	xml 2.81 KB	↓
ausschreiben.de 770-620			↓

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 770-620	EPLAN Data Portal 770-620
↓	↓
	WSCAD Universe 770-620
	↓
	ZUKEN Portal 770-620
	↓



1 Compatible Products
1.1 System counterpart
1.1.1 Cable assembly



Item No.: 771-9985/206-101
pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. I; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; blue

Item No.: 771-9985/106-101
pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. I; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; blue

Item No.: 771-9985/006-101
pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. I; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; blue

1.1.2 Female connector/socket	
	
<p><u>Item No.: 770-1105</u> Socket; 5-pole; Cod. I; 4,00 mm²; blue</p>	<p><u>Item No.: 770-1105/022-000</u> Socket; with strain relief housing; 5-pole; Cod. I; 4,00 mm²; blue</p>

1.1.3 Male connector/plug



Item No.: 770-1115
Plug; 5-pole; 4,00 mm²; blue

Item No.: 770-1115/022-000
Plug; with strain relief housing; 5-pole;
Cod. I; 4,00 mm²; blue

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

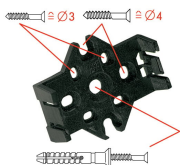
1.2.2.1 Mounting accessories



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

Installation Notes

Installation



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



The distribution connectors snap to-
gether when attached to the mounting
plate.



To release the distribution connector, un-
lock 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 connecti-
ons are used.