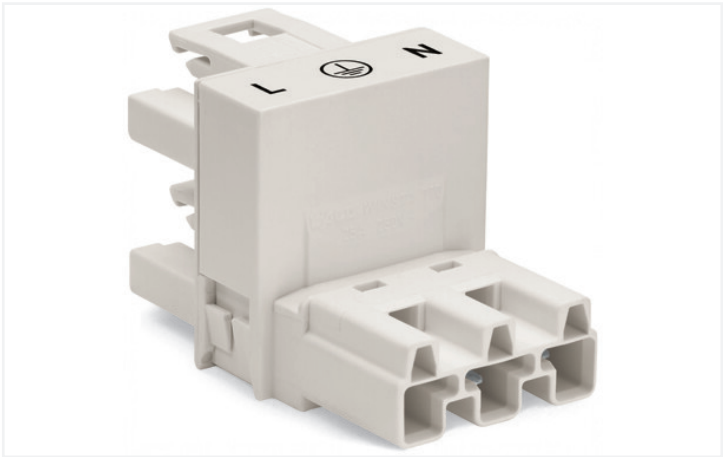


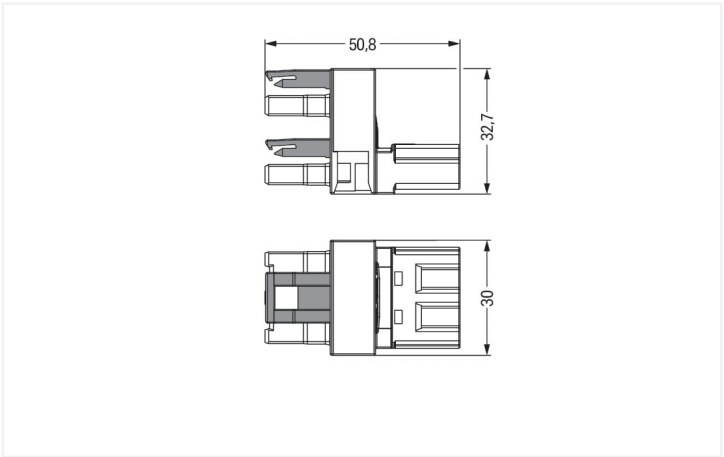
Data Sheet | Item Number: 770-684

h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 2 locking levers; white

<https://www.wago.com/770-684>



Color: ■ white



Dimensions in mm

Distribution connector *WINSTA®* MIDI with protection against mismating

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA®* MIDI distribution connector A coding. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to many different requirements in no time flat. For greater protection in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. 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!)). The *WINSTA®* MIDI pluggable installation connector with A coding in black or white is usually used for general mains applications in power distribution. This pluggable installation connector is designed for a load of up to 25 A. Therefore, it can also be used 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, flexible, and secure installation.

Lower costs through fast commissioning and elimination of service expenses – solutions from *WINSTA®* MIDI

The *WINSTA®* Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Now you can also cut installation expenses without compromising safety and quality: with protection type IP20 eliminates the need for servicing and prevents unnecessary downtime.

- effective protection against mismating
- for automation controllers
- with A coding for use in a large number of general mains applications
- flexible installation to save space
- convenient installation and commissioning

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	250 V	-	-	-		
Rated surge voltage	4 kV	-	-	-		
Rated current	25 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	3	Connection 1	
PE function	Preceding PE contact	Pole number	3

Physical data

Pin spacing	10 mm / 0.394 inches
Width	30 mm / 1.181 inches
Height	32.7 mm / 1.287 inches
Depth	51 mm / 2.008 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	h-distribution connector, outputs at one end
Protection type	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Plug-in connection

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	2

Material data

Note (material data)	Information on material specifications can be found here
Color	white
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.374 MJ
Weight	22.4 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	4045454251567
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
cURus Underwriters Laboratories Inc.	UL 1059	E 45172
		EU-Declaration of Conformity WAGO GmbH & Co. KG


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 770-684


Documentation

Bid Text			
770-684	19.02.2019	xml 2.76 KB	
770-684	12.03.2015	doc 23.00 KB	
ausschreiben.de 770-684			

CAD/CAE-Data

CAD data
2D/3D Models 770-684


CAE data
EPLAN Data Portal 770-684

WSCAD Universe 770-684

ZUKEN Portal 770-684


1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



Item No.: 771-9993/206-102
pre-assembled connecting cable; Eca;
Plug/open-ended; 3-pole; Cod. A; H05VV-
F 3G 1.5 mm²; 1 m; 1,50 mm²; white



Item No.: 771-9993/106-102
pre-assembled connecting cable; Eca;
Socket/open-ended; 3-pole; Cod. A;
H05VV-F 3G 1.5 mm²; 1 m; 1,50 mm²;
white



Item No.: 771-9993/006-102
pre-assembled interconnecting cable;
Eca; Socket/plug; 3-pole; Cod. A; H05VV-
F 3G 1.5 mm²; 1 m; 1,50 mm²; white

1.1.2 Female connector/socket



Item No.: 770-223
Socket; 3-pole; Cod. A; 4,00 mm²; white



Item No.: 770-123
Socket; with strain relief housing; 3-pole;
Cod. A; 4,00 mm²; white



Item No.: 770-223/035-050
Socket; with strain relief housing; 3-pole;
Cod. A; 4,00 mm²; white

1.1.3 Male connector/plug



Item No.: 770-233
Plug; 3-pole; Cod. A; 4,00 mm²; white



Item No.: 770-133
Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; white



Item No.: 770-233/035-050
Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; white

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



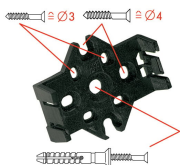
Item No.: 770-623
Mounting plate; 3-pole; for distribution connectors; Plastic; black



Item No.: 770-673
Mounting plate; 3-pole; for distribution connectors; Plastic; white

Installation Notes

Installation



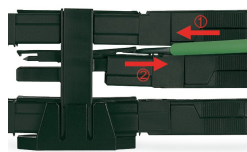
Mounting plates can be secured using commercially available screws or nail-drive anchors.



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.