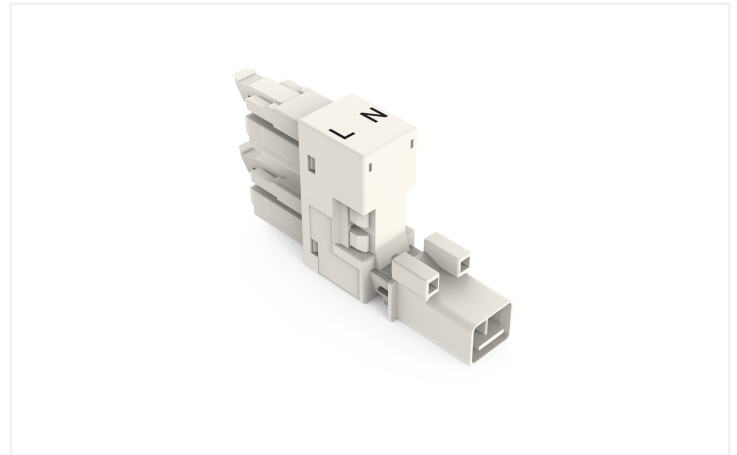
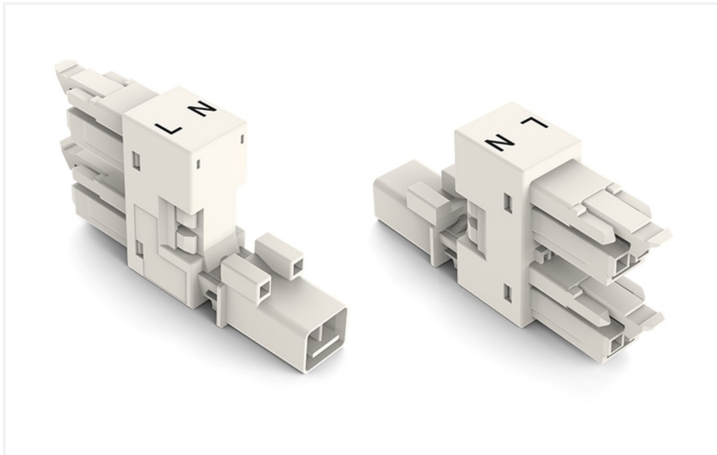


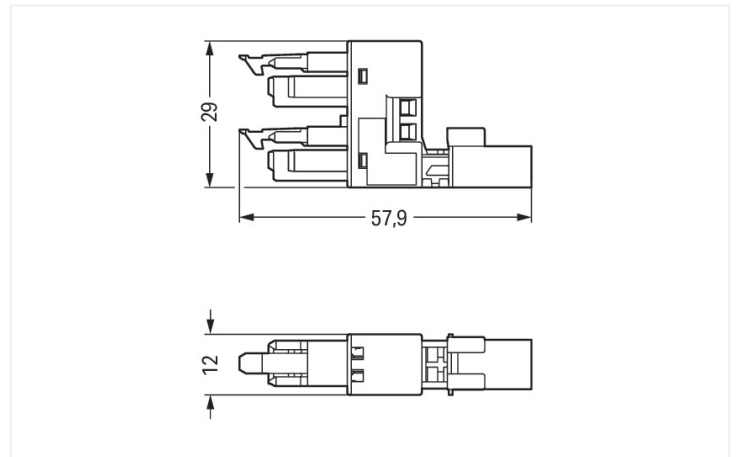
Data Sheet | Item Number: 890-1684

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

<https://www.wago.com/890-1684>



Color: ■ white



Dimensions in mm

Distribution connector *WINSTA®* MINI with protection type IP20

The *WINSTA®* MINI distribution connector with locking latch is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. WAGO pluggable installation connectors can be used when criteria repeat or are planned on a defined grid, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, secure wiring of all components. The *WINSTA®* MINI pluggable installation connector with A coding in white or black is usually used for general mains applications in power distribution. *WINSTA®* MINI is our response to the trend toward miniaturisation. Our smallest pluggable connection system is very good for lights, for example, since as a result of LED technology; due to complex systems, these offer much less space for the connection technology.

WINSTA® MINI solutions for your electrical installation – protected against mismatching and maintenance-free

WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It ensures error-free installation of cables and components, quickly and reliably. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology tool! Plan your installation with with locking lever from WAGO.

- pluggable installation connectors with protection against mismatching
- consistent IP40 protection
- with A coding for use in many general mains applications
- custom-engineered solutions
- fast, secure installation



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	14 A
Nominal voltage	250 V	-	-		
Rated surge voltage	4 kV	-	-		
Rated current	16 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	2	Connection 1	
		Pole number	2

Physical data

Pin spacing	4.4 mm / 0.173 inches
Width	12 mm / 0.472 inches
Height	29 mm / 1.142 inches
Depth	57.85 mm / 2.278 inches

Mechanical data

Use	General mains applications
Coding	A
Variable coding	No
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; IP40 when mated

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	2

Material data		
Note (material data)		Information on material specifications can be found here
Color	white	
Material group	I	
Insulation material (main housing)	Polyamide (PA66)	
Flammability class per UL94	V0	
Contact material	Copper or copper alloy; surface-treated	
Contact Plating	Tin	
Fire load	0.174 MJ	
Weight	9.9 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		
Product Group	20 (Winsta)	
eCl@ss 10.0	27-44-06-03	
eCl@ss 9.0	27-44-06-03	
ETIM 9.0	EC002567	
ETIM 8.0	EC002567	
PU (SPU)	50 pcs	
Packaging type	Box	
Country of origin	DE	
GTIN	4045454404420	
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
Approval	Standard	Certificate Name	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 61535	71-123231	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	IEC 61535	NL-85020			
cURus Underwriters Laboratories Inc.	UL 1977	E45171			



Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	Steel Vessel Rules	19-HG1869855-PDA
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001Z6
LR Lloyds Register	EN 61535	08/20047 (E2)

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 890-1684



Documentation

Bid Text			
890-1684	19.02.2019	xml 2.78 KB	
890-1684	20.11.2014	doc 22.50 KB	

CAD/CAE-Data

CAD data
2D/3D Models 890-1684



CAE data
EPLAN Data Portal 890-1684
WSCAD Universe 890-1684
ZUKEN Portal 890-1684



1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



Item No.: 891-8992/205-102 pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. A; H05VV- F 2 x 1.0 mm²; 1 m; 1,00 mm²; white	Item No.: 891-8992/105-102 pre-assembled connecting cable; Eca; Socket/open-ended; 2-pole; Cod. A; H05VV-F 2 x 1.0 mm²; 1 m; 1,00 mm²; white	Item No.: 891-8992/005-102 pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. A; H05VV- F 2 x 1.0 mm²; 1 m; 1,00 mm²; white
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1.1.2 Female connector/socket



Item No.: 890-222
Socket; 2-pole; Cod. A; 1,50 mm²; white

Item No.: 890-122
Socket; with strain relief housing; 2-pole;
Cod. A; 1,50 mm²; white

1.1.3 Male connector/plug



Item No.: 890-232
Plug; 2-pole; 1,50 mm²; white

Item No.: 890-132
Plug; with strain relief housing; 2-pole;
1,50 mm²; white

1.2 Optional Accessories

1.2.1 Installation

1.2.1.1 Mounting accessories

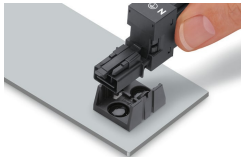


Item No.: 890-1622
Mounting plate; 2-pole; for distribution
connectors; black

Item No.: 890-1672
Mounting plate; 2-pole; for distribution
connectors; white

Installation Notes

Installation



Secure the mounting plate via pins.