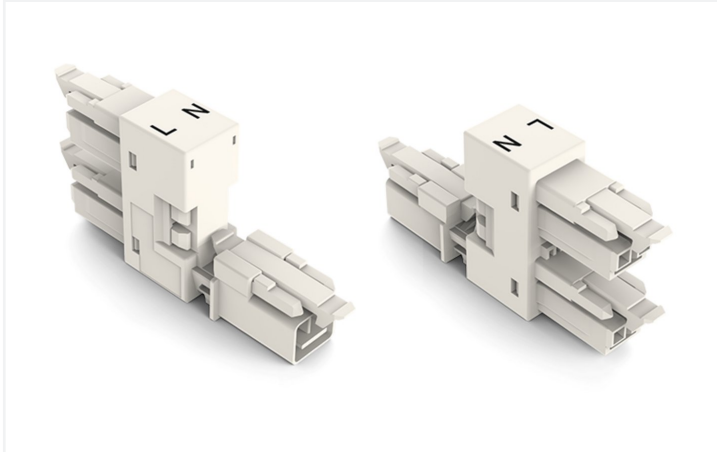


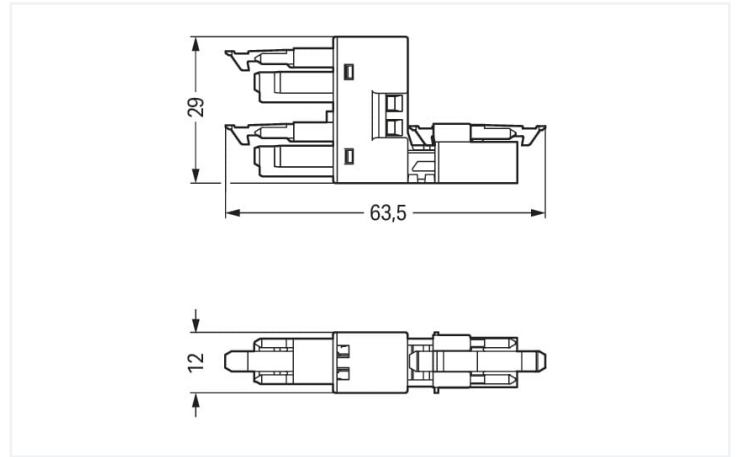
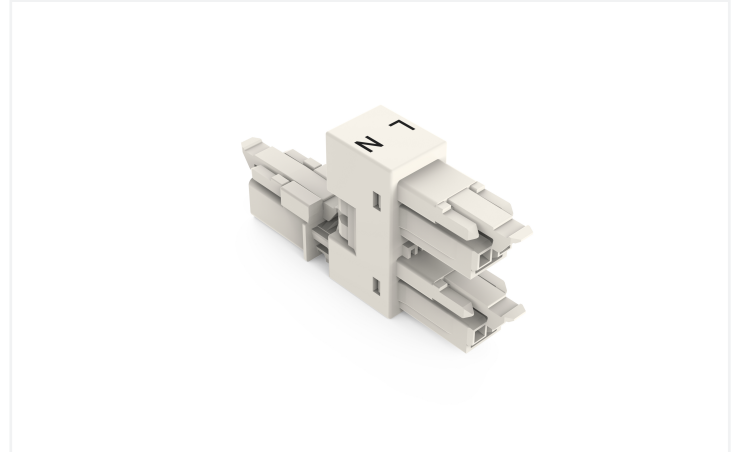
Data Sheet | Item Number: 890-1686

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

<https://www.wago.com/890-1686>



Color: ■ white



Dimensions in mm

Distribution connector *WINSTA*® MINI with protection against mismatching

The *WINSTA*® MINI distribution connector with protection type IP20 supports rapid, correct installation. Our pluggable installation connectors with spring pressure connection technology function completely without screw connections. They allow resource-efficient, error-free installation in numerous applications. The coding options reduce installation errors, allowing fast, secure wiring of all components. The *WINSTA*® MINI pluggable installation connector with A coding in black or white is normally used for general mains applications in power distribution. Thanks to its particularly minimal dimensions, our *WINSTA*® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is especially suitable in very restricted spaces, i.e., for connections when very little room is available.

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

WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It allows fast, secure and, above all, error-free installation of components and cables. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with marking from WAGO.

- effective protection against mismatching
- consistent IP40 protection
- suitable for any application
- 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	63.5 mm / 2.5 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
Suitable	for flying leads

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	3



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	0.188 MJ	
Weight	9.8 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	4045454404437	
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 890-1686



Documentation

Bid Text			
890-1686	19.02.2019	xml 2.88 KB	
890-1686	20.11.2014	doc 22.50 KB	

CAD/CAE-Data

CAD data
2D/3D Models 890-1686



CAE data
EPLAN Data Portal 890-1686
WSCAD Universe 890-1686
ZUKEN Portal 890-1686



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



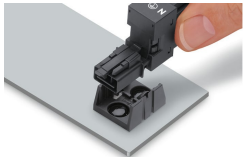
Item No.: 890-1622
Mounting plate; 2-pole; for distribution connectors; black



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

Installation Notes

Installation



Secure the mounting plate via pins.