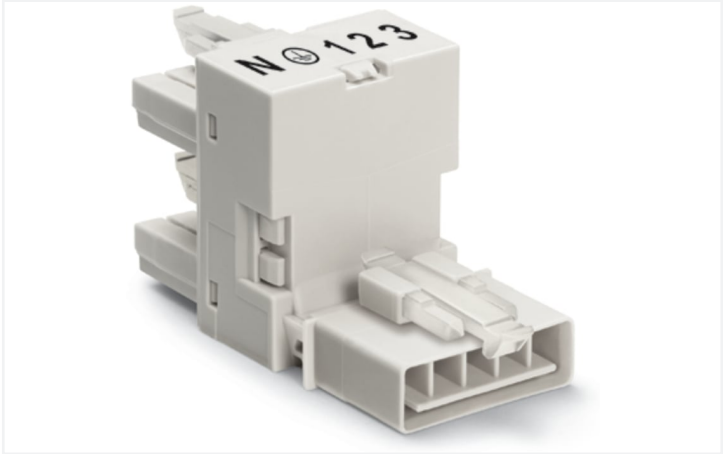


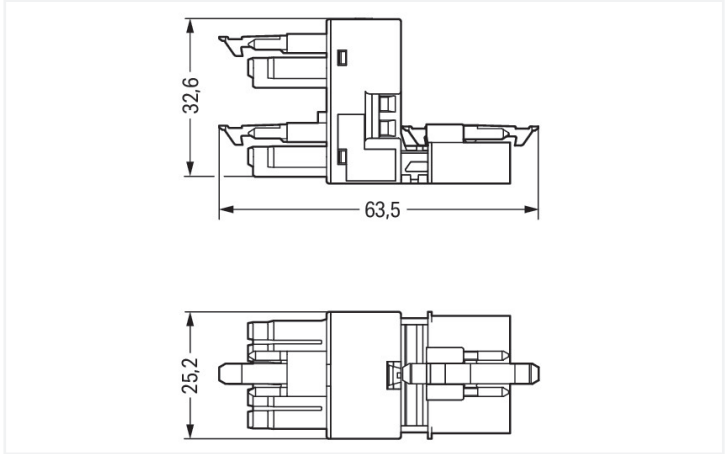
Data Sheet | Item Number: 890-980

h-distribution connector; 5-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; white

<https://www.wago.com/890-980>



Color: white



Dimensions in mm

Distribution connector *WINSTA*® MINI 5-pole

For power and signal transmission: The *WINSTA*® MINI distribution connector 5-pole. 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 seconds. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. Thanks to the color coding and mechanical A coding of *WINSTA*® MINI pluggable installation connectors, you can clearly distinguish different circuits. *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 mismating and maintenance-free

The *WINSTA*® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently faster, even more reliable, and error-free. Use of this pre-assembled system decreases time spent on assembly and errors during installation at the construction site. Now you can also cut installation costs without compromising quality and safety: with protection type IP20 reduces the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismating
- consistent IP40 protection
- with A coding for use in a large number of general mains applications
- custom-engineered solutions
- 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	12 A		
Nominal voltage	400 V	-	-				
Rated surge voltage	6 kV	-	-				
Rated current	13 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	5	Connection 1	
		Pole number	5

Physical data

Pin spacing	4.4 mm / 0.173 inches
Width	25.2 mm / 0.992 inches
Height	32.65 mm / 1.285 inches
Depth	63.5 mm / 2.5 inches

Mechanical data

Use	General mains applications
Coding	A
Variable coding	No
Marking	N ⊕ 1 2 3
Potential marking	N ⊕ 1 2 3
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	0.388 MJ
Weight	23.4 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	
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	4050821255147
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	71-123231
CCA DEKRA Certification B.V.	IEC 61535	NL-85020
cURus Underwriters Laboratories Inc.	UL 1977	E45171
		EU-Declaration of Confor- mity WAGO GmbH & Co. KG
		UK-Declaration of Confor- mity WAGO GmbH & Co. KG


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





Downloads


Environmental Product Compliance


Compliance Search
Environmental Product Compliance 890-980


Documentation

Bid Text			
890-980	01.12.2014	doc 22.50 KB	
890-980	19.02.2019	xml 2.85 KB	

CAD/CAE-Data

CAD data
2D/3D Models 890-980


CAE data
WSCAD Universe 890-980

ZUKEN Portal 890-980


1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



[Item No.: 891-8995/206-102](#)
pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. A; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; white

[Item No.: 891-8995/106-102](#)
pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. A; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; white

[Item No.: 891-8995/006-102](#)
pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. A; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; white

1.1.2 Female connector/socket



[Item No.: 890-225](#)
Socket; 5-pole; Cod. A; 1,50 mm²; white

[Item No.: 890-125](#)
Socket; with strain relief housing; 5-pole; Cod. A; 1,50 mm²; white

1.1.3 Male connector/plug



[Item No.: 890-235](#)
Plug; 5-pole; Cod. A; 1,50 mm²; white

[Item No.: 890-135](#)
Plug; with strain relief housing; 5-pole; 1,50 mm²; white

1.2 Required Accessories

1.2.1 Installation

1.2.1.1 Mounting accessories

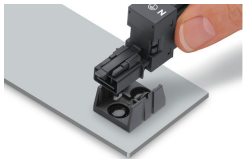


Item No.: 890-625
Mounting plate; 5-pole; for distribution
connectors; Plastic; black

Item No.: 890-675
Mounting plate; 5-pole; for distribution
connectors; Plastic; white

Installation Notes

Installation



Secure the mounting plate via pins.

