

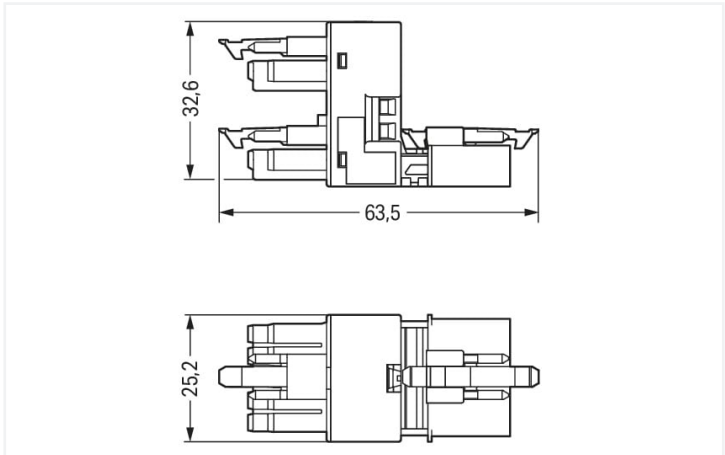
Data Sheet | Item Number: 890-930

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

<https://www.wago.com/890-930>



Color: ■ black



Dimensions in mm

Distribution connector *WINSTA*® MINI with protection against mismating

The *WINSTA*® MINI distribution connector with protection type IP20 is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. The pluggable installation connectors with spring pressure connection technology work without screw connections. They allow fast, efficient, error-free installation in a large number of applications. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. General mains applications for almost any domain of use can be implemented with *WINSTA*® MINI pluggable installation connectors with A coding. If only limited space is available, our smallest pluggable connection system, *WINSTA*® MINI, consistently displays its strengths. It is very compact, and, with Push-in *CAGE CLAMP*® spring pressure connection technology, it additionally can be installed quickly, since the connection is low-maintenance and requires no screw connections.

Push-in *CAGE CLAMP*® spring pressure connection technology – pluggable installation instead of laborious screw connections!

The *WINSTA*® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and thus faster, even more reliable, and error-free. Using this pre-assembled system decreases time spent on assembly and errors during installation at the construction site. 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 mismating
- compact design for conductors with a cross-section up to 1.5 mm²
- suitable for any application
- ready to install and use immediately
- 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		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	black
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	0.405 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	4050821255123
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
CCA DEKRA Certification B.V.	EN 61535	71-123231	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	IEC 61535	NL-85020	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
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



Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance 890-930			

Documentation

Bid Text			
890-930	01.12.2014	doc 22.50 KB	
890-930	19.02.2019	xml 2.86 KB	

CAD/CAE-Data

CAD data	
2D/3D Models 890-930	

CAE data	
WSCAD Universe 890-930	
ZUKEN Portal 890-930	

1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



Item No.: 891-8995/206-101
pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. A; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; black

Item No.: 891-8995/106-101
pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. A; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; black

Item No.: 891-8995/006-101
pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. A; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; black

1.1.2 Female connector/socket



Item No.: 890-205
Socket; 5-pole; Cod. A; 1,50 mm²; black

Item No.: 890-105
Socket; with strain relief housing; 5-pole; Cod. A; 1,50 mm²; black

1.1.3 Male connector/plug



Item No.: 890-215
Plug; 5-pole; Cod. A; 1,50 mm²; black

Item No.: 890-115
Plug; with strain relief housing; 5-pole; 1,50 mm²; black

1.2 Required Accessories

1.2.1 Installation

1.2.1.1 Mounting accessories

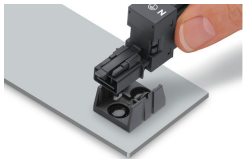


Item No.: 890-625
Mounting plate; 5-pole; for distribution
connectors; Plastic; black

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

Installation Notes

Installation



Secure the mounting plate via pins.

