

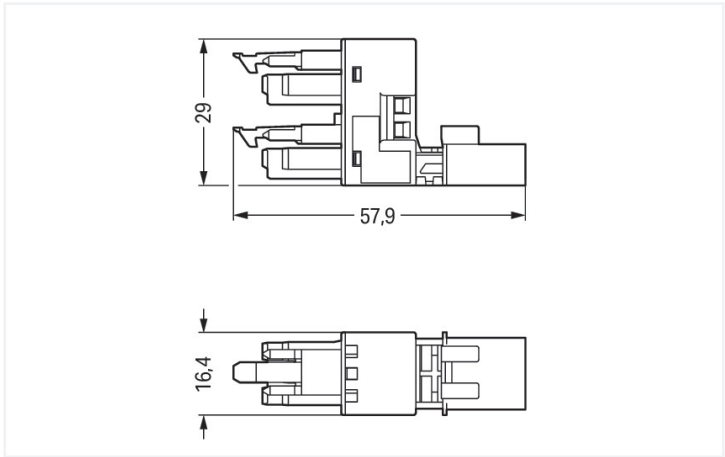
Data Sheet | Item Number: 890-634

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

<https://www.wago.com/890-634>



Color: ■ black



Dimensions in mm

Distribution connector *WINSTA*® MINI 3-pole

The *WINSTA*® MINI distribution connector with protection type IP20 supports fast, reliable installation. 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 next to no time. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. Thanks to the color coding and mechanical A coding of *WINSTA*® MINI pluggable installation connectors, you can clearly distinguish different circuits. *WINSTA*® MINI satisfies the demand for 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

WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It allows fast, secure and, above all, error-free installation of components and cables. Now you can also reduce installation expenses without compromising quality and safety: with protection type IP20 eliminates the need for servicing and prevents unnecessary downtime.

- protection against mismating eliminates errors
- easy tool-free operation, a wide range of coding options
- with A coding for a large number of applications
- ready for immediate use
- fast, secure installation

Electrical data				
Ratings per		IEC/EN 60664-1		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage	250 V	-	-	
Rated surge voltage	4 kV	-	-	
Rated current	16 A	-	-	
Approvals per		UL 1977		
Rated voltage		600 V		
Rated current		14 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	4.4 mm / 0.173 inches
Width	16.4 mm / 0.646 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	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	0.244 MJ
Weight	13.4 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)
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454404475
Customs tariff number	85366990990




Product Classification	
UNSPSC	39121402
eCl@ss 10.0	27-44-06-03
eCl@ss 9.0	27-44-06-03
ETIM 9.0	EC002567
ETIM 8.0	EC002567
ECCN	NO US CLASSIFICATION

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	
Approval	Standard	Certificate Name	
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
LR Lloyds Register	EN 61535	08/20047 (E2)



Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance 890-634			

Documentation

Bid Text			
890-634	19.02.2019	xml 2.78 KB	
890-634	30.11.2018	doc 22.50 KB	

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 890-634		EPLAN Data Portal 890-634	
		WSCAD Universe 890-634	
		ZUKEN Portal 890-634	

1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly

Item No.: 891-8993/205-101 pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. A; 1 m; 1,00 mm²; black	Item No.: 891-8993/105-101 pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. A; 1 m; 1,00 mm²; black	Item No.: 891-8993/005-101 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; 1 m; 1,00 mm²; black

1.1.2 Female connector/socket

Item No.: 890-203 Socket; 3-pole; Cod. A; 1,50 mm²; black	Item No.: 890-103 Socket; with strain relief housing; 3-pole; Cod. A; 1,50 mm²; black

1.1.3 Male connector/plug



Item No.: 890-213
Plug; 3-pole; Cod. A; 1,50 mm²; black

Item No.: 890-113
Plug; with strain relief housing; 3-pole; 1,50 mm²; black

1.2 Required Accessories

1.2.1 Installation

1.2.1.1 Mounting accessories

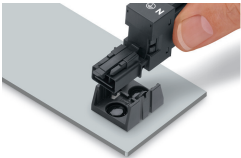


Item No.: 890-623
Mounting plate; 3-pole; for distribution connectors; Plastic; black

Item No.: 890-673
Mounting plate; 3-pole; for distribution connectors; Plastic; white

Installation Notes

Installation



Secure the mounting plate via pins.

