

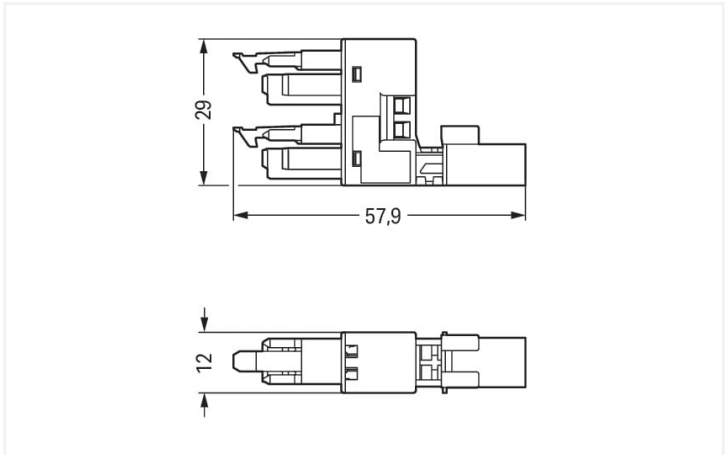
Data Sheet | Item Number: 890-1634

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

<https://www.wago.com/890-1634>



Color: ■ black



Dimensions in mm

Distribution connector *WINSTA*® MINI with protection type IP20

For signal and power transmission: The *WINSTA*® MINI distribution connector with locking latch. WAGO pluggable installation connectors can be used when requirements repeat or are distributed on a specified grid, for example for installing grid lighting or flush-mount lighting. 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 follows the trend towards miniaturisation. Our smallest pluggable connection system is very good for lights, for instance, since as a result of LED technology; due to complex systems, these offer less and less space for the connection technology.

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

WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection against mismatching from WAGO.

- pluggable installation connectors with protection against mismatching
- compact design for conductors with a cross-section up to 1.5 mm²
- with A coding for use in a large number of 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		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		0.181 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	4045454376383
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									
		<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr></table>	Approval	Standard	Certificate Name	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
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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 890-1634


Documentation

Bid Text			
890-1634	19.02.2019	xml 2.78 KB	
890-1634	20.11.2014	doc 22.50 KB	

CAD/CAE-Data

CAD data
2D/3D Models 890-1634


CAE data
EPLAN Data Portal 890-1634

WSCAD Universe 890-1634

ZUKEN Portal 890-1634


1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



Item No.: 891-8992/205-101
pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. A; H05VV-F 2 x 1.0 mm²; 1 m; 1,00 mm²; black



Item No.: 891-8992/105-101
pre-assembled connecting cable; Eca; Socket/open-ended; 2-pole; Cod. A; H05VV-F 2 x 1.0 mm²; 1 m; 1,00 mm²; black



Item No.: 891-8992/005-101
pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. A; H05VV-F 2 x 1.0 mm²; 1 m; 1,00 mm²; black

1.1.2 Female connector/socket



Item No.: 890-202
Socket; 2-pole; Cod. A; 1,50 mm²; black



Item No.: 890-102
Socket; with strain relief housing; 2-pole; Cod. A; 1,50 mm²; black



Item No.: 890-202/342-000
Socket; with strain relief housing; 2-pole; Cod. A; 1,50 mm²; black

1.1.3 Male connector/plug



Item No.: 890-212
Plug; 2-pole; Cod. A; 1,50 mm²; black



Item No.: 890-112
Plug; with strain relief housing; 2-pole; 1,50 mm²; black



Item No.: 890-212/342-000
Plug; with strain relief housing; 2-pole; Cod. A; 1,50 mm²; black

1.2 Optional Accessories

1.2.1 Installation

1.2.1.1 Mounting accessories



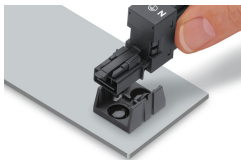
Item No.: 890-1622
Mounting plate; 2-pole; for distribution connectors; black



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

Installation Notes

Installation



Secure the mounting plate via pins.

