

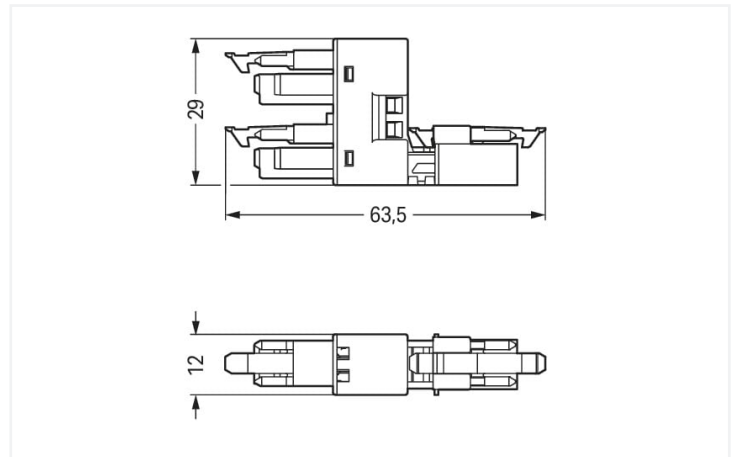
Data Sheet | Item Number: 890-1636

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

<https://www.wago.com/890-1636>



Color: ■ black



Dimensions in mm

Distribution connector *WINSTA®* MINI rated current 16 A

The *WINSTA®* MINI distribution connector with protection against mismatching is the pluggable solution for your use in control cabinets, for lighting connections or on PCBs. WAGO pluggable installation connectors are used when requirements repeat or are distributed on a defined 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. General mains applications for almost any domain of use can be implemented with *WINSTA®* MINI pluggable installation connectors with A coding. *WINSTA®* MINI is our response to the trend toward miniaturisation. Our smallest pluggable connection system is especially suitable for lights, for example, since as a result of LED technology; due to complex systems, these offer significantly less space for the connection technology.

Lower costs through fast commissioning and elimination of service expenses – solutions from *WINSTA®* MINI

The *WINSTA®* Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore faster, more reliable, and error-free. Using this pre-assembled system decreases assembly times and errors during installation at the construction site. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology tool! Plan your installation with with protection against mismatching from WAGO.

- protection against mismatching eliminates errors
- easy tool-free operation, a wide range of coding options
- 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	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	0.195 MJ
Weight	10.1 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	4045454404413
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 890-1636



Documentation

Bid Text			
890-1636	19.02.2019	xml 2.88 KB	
890-1636	20.11.2014	doc 22.50 KB	

CAD/CAE-Data

CAD data
2D/3D Models 890-1636



CAE data
EPLAN Data Portal 890-1636
WSCAD Universe 890-1636
ZUKEN Portal 890-1636



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
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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



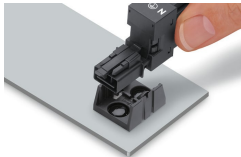
Item No.: 890-1622
Mounting plate; 2-pole; for distribution
connectors; black



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

Installation Notes

Installation



Secure the mounting plate via pins.