

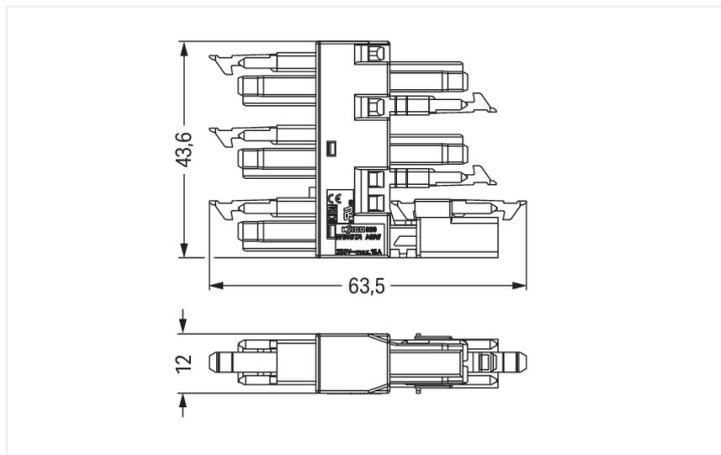
Data Sheet | Item Number: 890-1907

5-way distribution connector; 2-pole; Cod. I; 1 input; 5 outputs; blue

<https://www.wago.com/890-1907>



Color: ■ blue



Dimensions in mm

Distribution connector *WINSTA*® MINI rated current 16 A

The *WINSTA*® MINI distribution connector with protection type IP20 allows installation of solid and fine-stranded conductors. Our pluggable installation connectors with spring pressure connection technology function without screw connections. They allow resource-efficient, error-free installation in a large number of applications. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. I coding in blue is used to label *WINSTA*® MINI pluggable installation connectors, which are used predominantly in building automation for activating lighting. *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 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 allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Choose quality and durability – with locking lever from WAGO makes the electrical installation of electrical components significantly easier.

- protection against mismatching eliminates errors
- compact design for conductors with a cross-section up to 1.5 mm²
- for lighting management
- flexible installation to save space
- convenient installation and commissioning

Electrical data

Ratings per	IEC/EN 60664-1		
Overtoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand 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
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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	43.6 mm / 1.717 inches
Depth	63.5 mm / 2.5 inches

Mechanical data

Use	DALI, Lighting Management
Coding	I
Variable coding	No
Marking	+ -
Potential marking	+ -
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	Distribution connector, 5-way
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	6

Material data

Note (material data)	Information on material specifications can be found here
Color	blue
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	0.292 MJ
Weight	17.8 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	
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143609043
Customs tariff number	85366990990

Product Classification	
UNSPSC	39121406
eCl@ss 10.0	27-44-06-03
eCl@ss 9.0	27-44-06-03
ETIM 9.0	EC002567
ETIM 10.0	EC002567
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
cURus Underwriters Laboratories Inc.	UL 1977	E45171

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 890-1907 

Documentation

Bid Text

890-1907	19.02.2019	xml 2.72 KB	
890-1907	13.04.2017	doc 23.00 KB	

CAD/CAE-Data

CAD data

2D/3D Models
890-1907



1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



Item No.: 891-8982/206-101

pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. I; H05VV-F 2 x 1.5 mm²; 1 m; 1,50 mm²; blue

Item No.: 891-8982/106-101

pre-assembled connecting cable; Eca; Socket/open-ended; 2-pole; Cod. I; H05VV-F 2 x 1.5 mm²; 1 m; 1,50 mm²; blue

Item No.: 891-8982/006-101

pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. I; H05VV-F 2 x 1.5 mm²; 1 m; 1,50 mm²; blue

1.1.2 Female connector/socket



Item No.: 890-1102

Socket; 2-pole; Cod. I; 1,50 mm²; blue

1.1.3 Male connector/plug



Item No.: 890-1112

Plug; 2-pole; Cod. I; 1,50 mm²; blue

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.