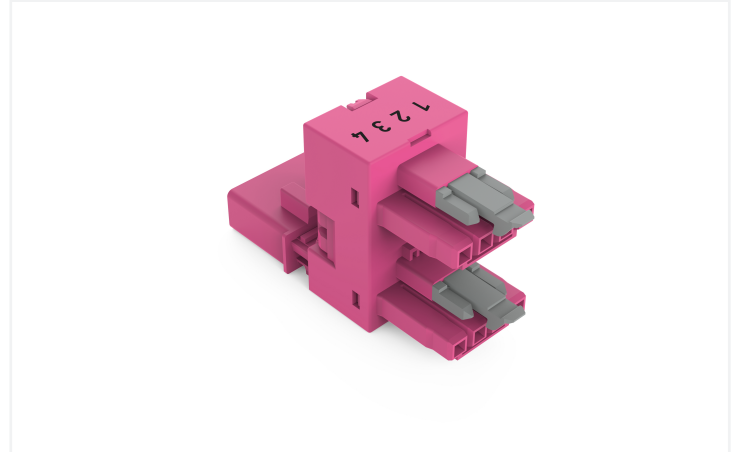
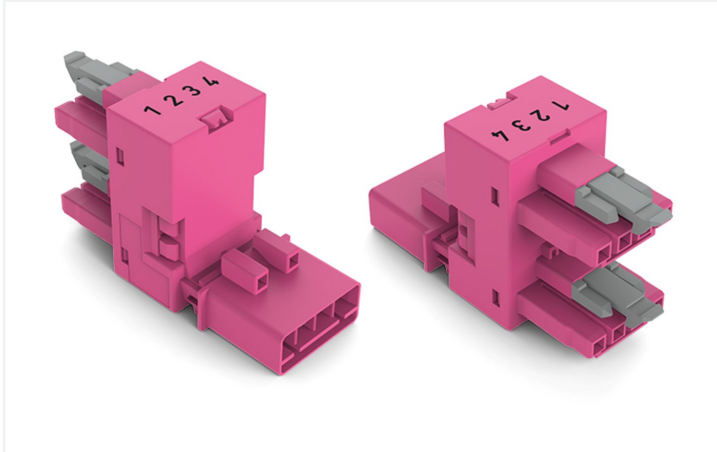


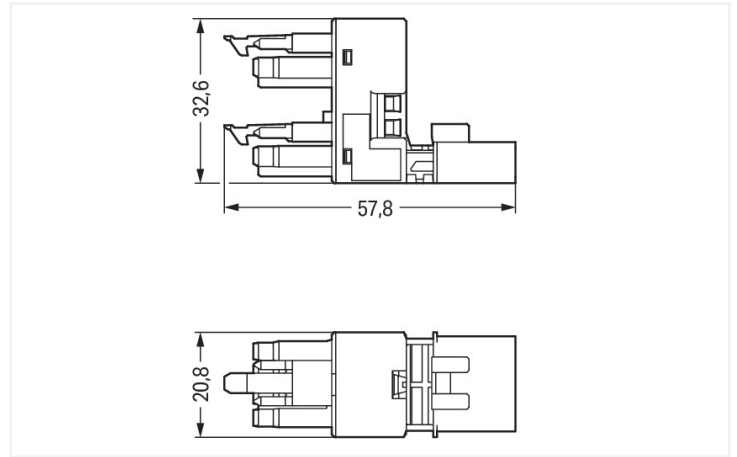
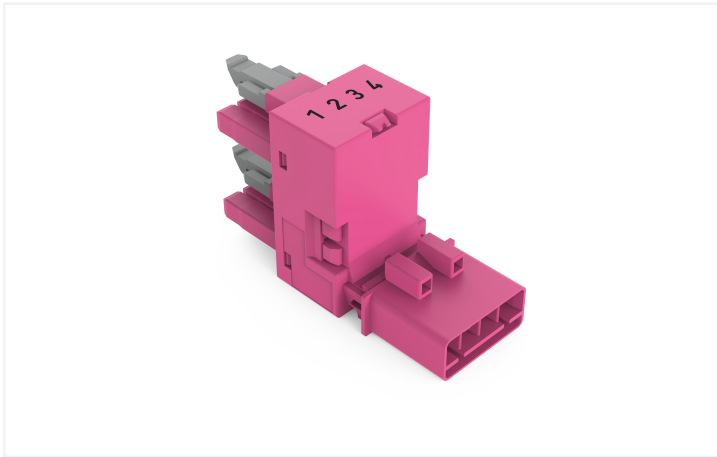
Data Sheet | Item Number: 890-1683

h-distribution connector; 4-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 2 locking levers; pink

<https://www.wago.com/890-1683>



Color: ■ pink



Dimensions in mm

Distribution connector *WINSTA®* MINI rated current 16 A

The *WINSTA®* MINI distribution connector with protection type IP20 supports rapid, correct installation. Our pluggable installation connectors with spring pressure connection technology function completely without screw connections. They allow fast, efficient, error-free installation in a large number of applications. The coding options reduce installation errors, allowing fast, secure wiring of all components. B coding enables the *WINSTA®* MINI pluggable installation connectors to be used for control in applications in automation, mechanical engineering and robotics. *WINSTA®* MINI satisfies the demand for miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for example, since due to LED technology, these offer much 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 significantly reduces the need for servicing and lowers costs. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with marking from WAGO.

- pluggable installation connectors with protection against mismatching
- consistent IP40 protection
- with B coding for controllers, for example lighting fixtures and sun blinds
- ready for immediate use
- fast, secure installation



Notes	
Variants:	Other pole markings Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/ .

Electrical data			
Ratings per		IEC/EN 60664-1	
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	16 A	-	-
Approvals per		UL 1977	
Rated voltage		600 V	
Rated current		12 A	
Ratings per IEC/EN – Notes			
Rated current (note)		13 A for 3-pole load 10 A for 4-pole load	
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	4
Connection 1	
Pole number	4

Physical data	
Pin spacing	4.4 mm / 0.173 inches
Width	20.8 mm / 0.819 inches
Height	32.65 mm / 1.285 inches
Depth	57.85 mm / 2.278 inches

Mechanical data	
Use	Control technology
Coding	B
Variable coding	No
Marking	1 2 3 4
Potential marking	1 2 3 4
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	pink
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	0.152 MJ
Weight	15.7 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

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	4055143252058
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance 890-1683			

Documentation

Bid Text			
890-1683	19.02.2019	xml 2.78 KB	
890-1683	03.12.2014	doc 22.50 KB	

CAD/CAE-Data

CAD data	
2D/3D Models 890-1683	

1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



Item No.: 891-8994/205-107
pre-assembled connecting cable; Eca; Plug/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0 mm²; 1 m; 1,00 mm²; pink



Item No.: 891-8994/105-107
pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0 mm²; 1 m; 1,00 mm²; pink



Item No.: 891-8994/005-107
pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. B; Control cable 4 x 1.0 mm²; 1 m; 1,00 mm²; pink

1.1.2 Female connector/socket



Item No.: 890-284
Socket; 4-pole; Cod. B; 1,50 mm²; pink

1.1.3 Male connector/plug



Item No.: 890-294
Plug; 4-pole; 1,50 mm²; pink

1.2 Required Accessories

1.2.1 Installation

1.2.1.1 Mounting accessories



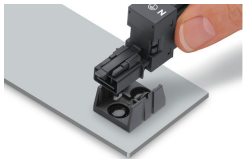
[Item No.: 890-624](#)
Mounting plate; 4-pole; for distribution
connectors; Plastic; black



[Item No.: 890-674](#)
Mounting plate; 4-pole; for distribution
connectors; Plastic; white

Installation Notes

Installation



Secure the mounting plate via pins.

