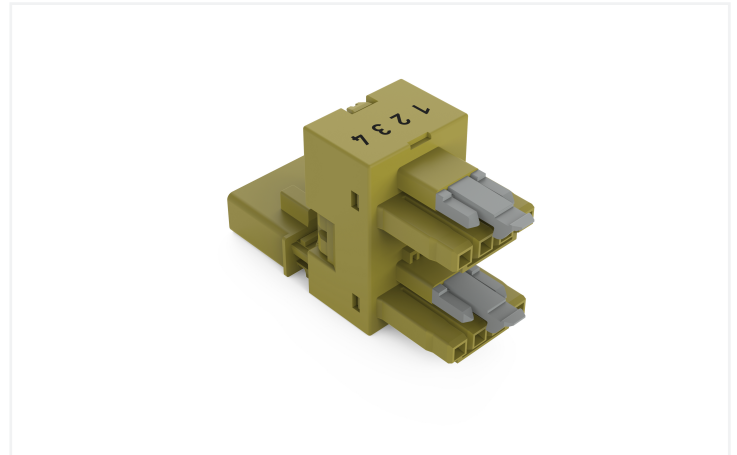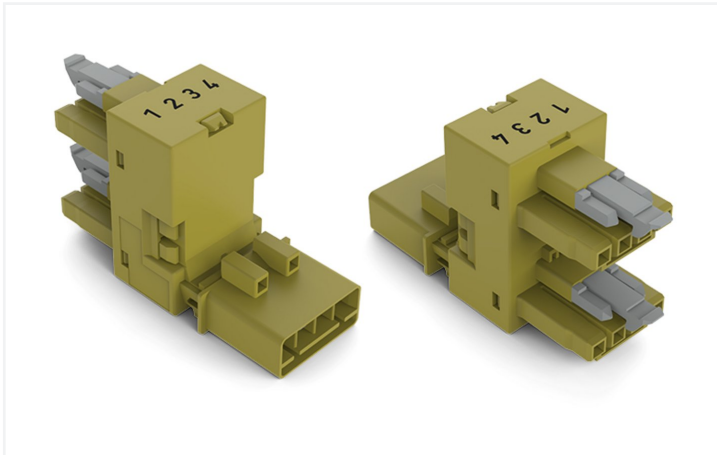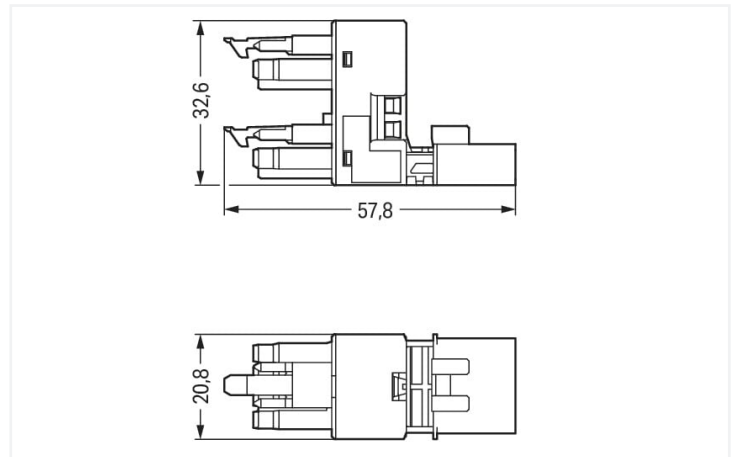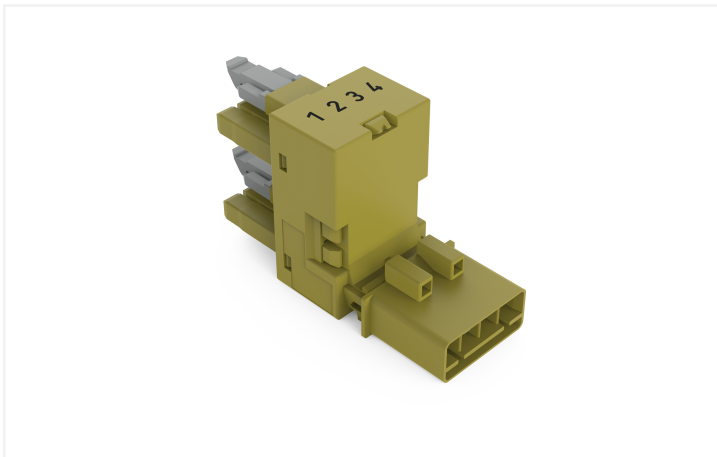# Data Sheet | Item Number: 890-1682

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

https://www.wago.com/890-1682

Color: ■ light green

Dimensions in mm

Distribution connector *WINSTA*® MINI B coding

The *WINSTA*® MINI distribution connector with locking latch is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. Our pluggable installation connectors with spring pressure connection technology function entirely without screw connections. They allow fast, efficient, error-free installation in numerous applications. For greater protection in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. Solutions like the *WINSTA*® MINI pluggable installation connectors with B coding are suitable for process control, for example, for lighting or in data networks. If only limited space is available, our smallest pluggable connection system, *WINSTA*® MINI, conveniently displays its strengths. It saves space, and, with Push-in CAGE CLAMP® spring pressure connection technology, it also saves time, since the installation is low-maintenance and requires no screw connections.

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

The WINSTA® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and therefore faster, even more reliable, and error-free. Using this pre-assembled system decreases assembly times and errors during installation at the construction site. Now you can also cut installation expenses without compromising safety and quality: with protection against mismating reduces the need for servicing and prevents unnecessary downtime.

- protection against mismating eliminates errors
- consistent IP40 protection
- for automation controllers
- custom-engineered solutions
- convenient installation and commissioning

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	-	-

Ratings per IEC/EN – Notes	
Rated current (note)	13 A for 3-pole load
	10 A for 4-pole load

Approvals per	UL 1977
Rated voltage	600 V
Rated current	12 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	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	light green
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	19 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	4055143252065
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 890-1682	↓

Documentation

Bid Text			
890-1682	19.02.2019	xml 2.78 KB	↓
890-1682	03.12.2014	doc 22.50 KB	↓

CAD/CAE-Data

CAD data	
2D/3D Models 890-1682	↓

1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly

Item No.: 891-8994/205-105
pre-assembled connecting cable; Eca; Plug/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0 mm²; 1 m; 1,00 mm²; light green

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

Item No.: 891-8994/005-105
pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. B; Control cable 4 x 1.0 mm²; 1 m; 1,00 mm²; light green

1.1.2 Female connector/socket

Item No.: 890-264
Socket; 4-pole; Cod. B; 1,50 mm²; light green

1.1.3 Male connector/plug

Item No.: 890-274
Plug; 4-pole; 1,50 mm²; light green

1.2 Required Accessories
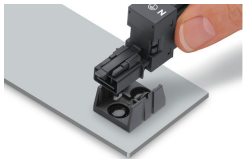
1.2.1 Installation

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.

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at:: www.wago.com