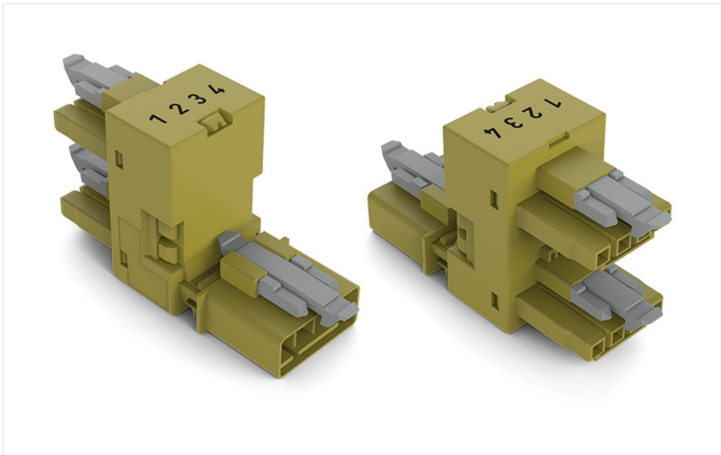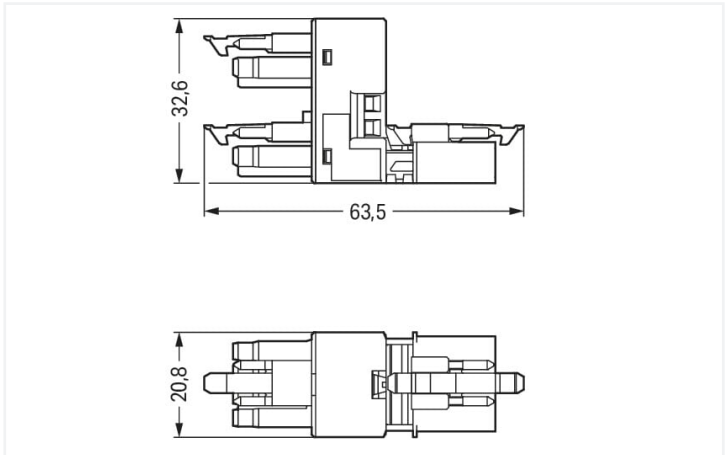# Data Sheet | Item Number: 890-1782

h-distribution connector; 4-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; light green

https://www.wago.com/890-1782

Color: ■ light green

Dimensions in mm

Distribution connector WINSTA® MINI with protection against mismating

The *WINSTA®* MINI distribution connector with protection against mismating provides the foundation for assembly of fine-stranded and solid conductors. WAGO pluggable installation connectors are useful when specifications repeat or are distributed on a specific 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. Pluggable installation connectors with B coding from the *WINSTA®* MINI line are available in pink, light green, or gray, allowing you to distinguish different circuits, for example for pumps, lighting, or sun blinds. Customer-specific pole marking is possible as well. *WINSTA®* MINI follows the trend towards miniaturisation. Our smallest pluggable connection system is especially suitable for lights, for instance, 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

WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It offers fast, secure and, above all, error-free installation of components and cables. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with locking lever from WAGO.

- pluggable installation connectors with protection against mismating
- compact design for conductors with a cross-section up to 1.5 mm²
- with B coding for controllers, for example lighting fixtures and sun blinds
- ready to install and use immediately
- 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			Ratings per IEC/EN – Notes	
Overvoltage category	III	III	II	Rated current (note)	13 A for 3-pole load 10 A for 4-pole load
Pollution degree	3	2	2		
Nominal voltage	400 V	-	-		
Rated surge voltage	6 kV	-	-		
Rated current	16 A	-	-		

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Approvals per	UL 1977	General information	
Rated voltage	600 V	Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/ socket
Rated current	12 A		

Connection data

		Connection 1	
Total number of potentials	4	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	63.5 mm / 2.5 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
Suitable	for flying leads

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	3

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	0.166 MJ
Weight	19.5 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	4055143252041
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 890-1782	↓

Documentation

Bid Text

890-1782	19.02.2019	xml 2.88 KB	↓
890-1782	03.12.2014	doc 23.00 KB	↓

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 890-1782 ↓	ZUKEN Portal 890-1782 ↓

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

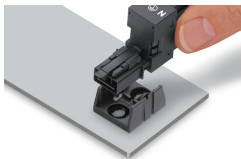##### 1.2.1.1 Mounting accessories

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

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