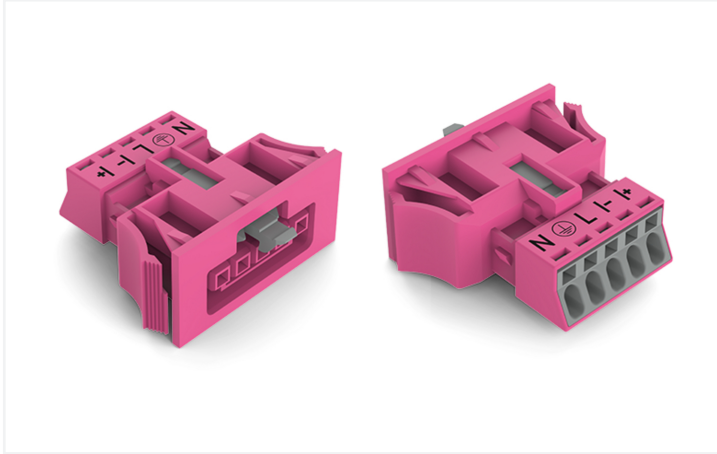


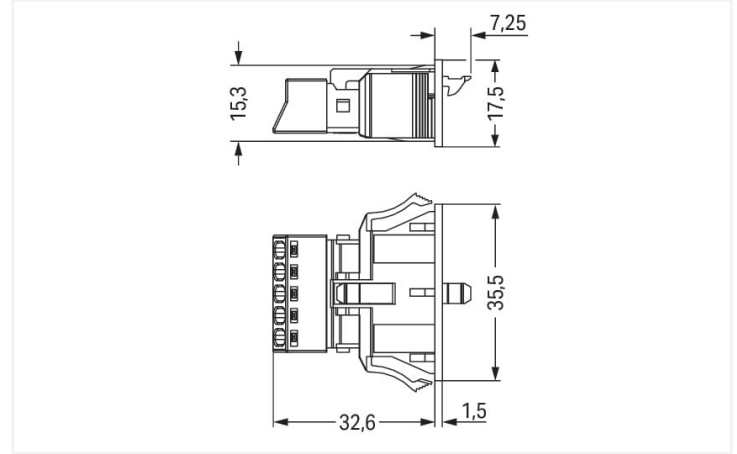
Data Sheet | Item Number: 890-785/080-000

Snap-in socket; 5-pole; Cod. B; 1,50 mm²; pink

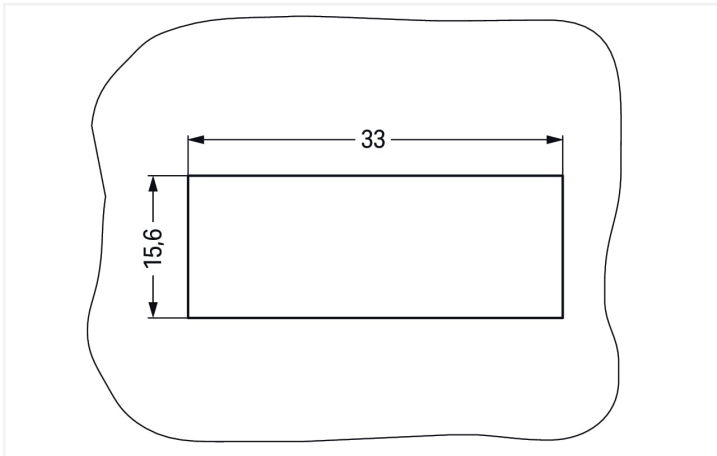
<https://www.wago.com/890-785/080-000>



Color: ■ pink



Dimensions in mm



Dimensions in mm

Plate thickness: 0.5 ... 2 mm

Cutout tolerance: + 0.1 mm

Please note!

Female connector/socket *WINSTA*® MINI with protection type IP40

For power and signal transmission: The *WINSTA*® MINI female connector/socket with locking latch. WAGO pluggable installation connectors are useful when specifications repeat or are planned on a defined grid, for example for installing grid lighting or flush-mount lighting. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. The pluggable installation connector is protected in accordance with protection type IP40. Users' fingers and tools will never come into contact with live elements. Solutions like the *WINSTA*® MINI pluggable installation connectors with B coding are appropriate for applications related to process control, for example, for lighting or in data networks. Particularly if only limited space is available, our smallest pluggable connection system, *WINSTA*® MINI, conveniently displays its strengths. It is very compact, and, with Push-in CAGE CLAMP® spring pressure connection technology, it also can be installed quickly, since the connection is low-maintenance and requires no screw connections.

WINSTA® MINI solutions for your electrical installation – protected against mismatching and maintenance-free

The *WINSTA*® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and thus faster, even more reliable, and error-free. Using this pre-assembled system reduces time spent on assembly and installation errors at the construction site. Choose durability and quality – with protection type IP40 from WAGO makes the installation of electrical components substantially easier.

- protection against mismatching eliminates errors
- easy tool-free operation, a wide range of coding options
- with B coding for use in process automation, such as lighting technology
- custom-engineered solutions
- convenient installation and commissioning



Notes	
Note	The snap-in connectors must be relieved of tensile and transverse forces. A surface finish can influence the edge radius of the cutouts. This may affect the snap-in socket fit, so ensure an adequate fit before use. In addition, the punched edge should be on the inside for punched cutouts. The wings of the snap-in connectors must not be mechanically stressed for a long period before use (e.g., due to a pre-locking position).
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- and 5-pole load	
General information			
Note on contact resistance		approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/ socket	

Connection data	
Clamping units	5
Total number of potentials	5
Connection 1	
Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool Push-in
Nominal cross-section	1.5 mm² / 16 AWG
Solid conductor	0.25 ... 1.5 mm² / 22 ... 16 AWG
Solid conductor; push-in termination	0.75 ... 1.5 mm² / 20 ... 16 AWG
Stranded conductor	0.25 ... 1 mm² / 22 ... 18 AWG
Fine-stranded conductor	0.25 ... 1.5 mm² / 22 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 0.75 mm² / 22 ... 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 0.75 mm² / 22 ... 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG
Strip length	9 mm / 0.35 inches
Pole number	5
Conductor entry direction to mating direction	0°

Physical data	
Pin spacing	4.4 mm / 0.173 inches
Width	35.5 mm / 1.398 inches
Height	17.5 mm / 0.689 inches
Depth	39.85 mm / 1.569 inches

Mechanical data

Use	Control technology
Coding	B
Variable coding	No
Marking	N ⊕ L I- I+
Potential marking	N ⊕ L I- I+
Mating force of a plug-in connection	approx. 20 ... 70 N (depending on pole number)
Retention force of a plug-in connection	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
Housing sheet thickness	0.5 ... 2 mm / 0.02 ... 0.079 inches
Mounting type	Snap-in flange
Protection type	IP40

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
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).

Material data

Note (material data)	Information on material specifications can be found here
Color	pink
Insulation material (main housing)	Polyamide (PA66)
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	0.058 MJ
Weight	9 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	27-44-06-02
eCl@ss 9.0	27-44-06-02
ETIM 9.0	EC002566
ETIM 8.0	EC002566
PU (SPU)	50 (50) pcs
Packaging type	Box
Country of origin	PL
GTIN	4055143428088
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
CB DEKRA Certification B.V.	EN 61984	NL-64351
CB DEKRA Certification B.V.	EN 61984	71-112993
Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

		
Approval	Standard	Certificate Name
LR Lloyds Register	EN 61535	08/20047 (E2)

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 890-785/080-000	



Documentation

Bid Text			
890-785/080-000	08.06.2015	doc 24.00 KB	
890-785/080-000	19.02.2019	xml 2.92 KB	

CAD/CAE-Data

CAD data
2D/3D Models 890-785/080-000



CAE data
EPLAN Data Portal 890-785/080-000
WSCAD Universe 890-785/080-000
ZUKEN Portal 890-785/080-000



1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



[Item No.: 890-295/080-000](#)
Plug; 5-pole; 1,50 mm²; pink

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



[Item No.: 770-643](#)
Lockout cap; 3-pole; for cutouts; Plastic; black



[Item No.: 770-693](#)
Lockout cap; 3-pole; for cutouts; Plastic; white

1.2.2 Tool

1.2.2.1 Operating tool



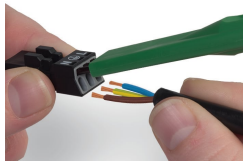
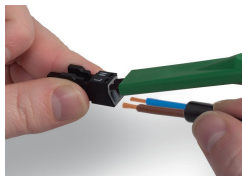
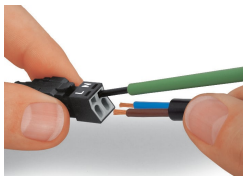
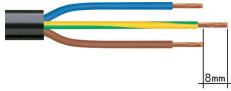
[Item No.: 890-385](#)
Operating tool; 5-way; green



[Item No.: 210-719](#)
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

Installation Notes

Conductor termination



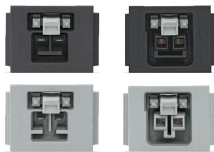
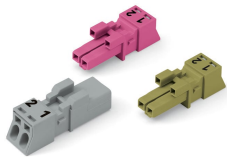
1. Strip length, outer insulation = 30 mm (2-pole), 37 mm (3-pole), 45 mm (4- and 5-pole)
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm

To terminate fine-stranded conductors, open the clamping unit via screwdriver – 2.5 mm blade width – and insert a stripped conductor until it hits the backstop. Terminate solid conductors by simply pushing them in.

To terminate fine-stranded conductors, open clamping units via operating tool (890-382) and insert stripped conductors until they hit backstop. Terminate solid conductors by simply pushing them in.

To terminate fine-stranded conductors, open clamping units via operating tool (890-383) and insert stripped conductors until they hit backstop. Terminate solid conductors by simply pushing them in.

Mismating protection



B-coded connectors with different colors can be plugged together.

Important note:
Different colors and/or pole markings are used for circuit identification. Only connectors of the same color and same pole marking must be plugged together.

B-coded connectors (shown in gray) not only differ in color, but also in their design, making them incompatible with other coded connectors.