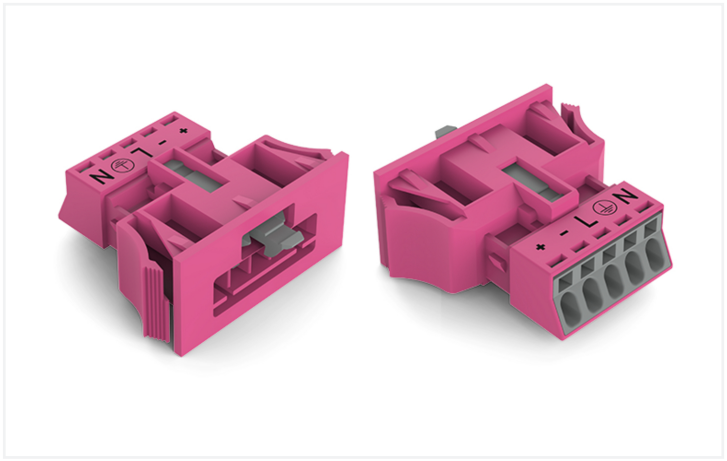
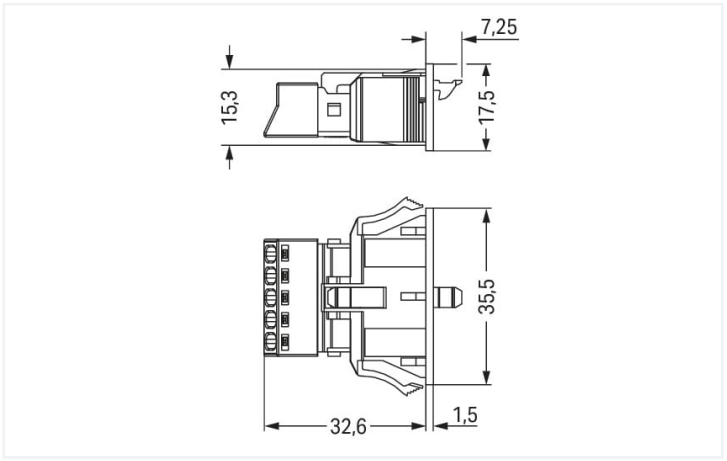
Data Sheet | Item Number: 890-795/082-000

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

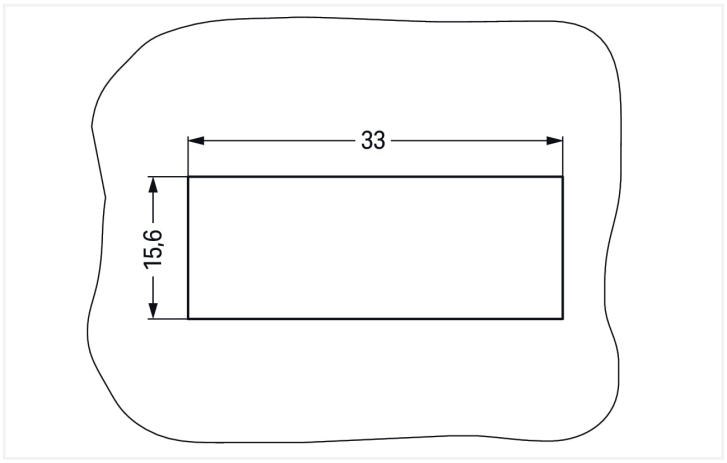
https://www.wago.com/890-795/082-000



Color: pink



Dimensions in mm



Dimensions in mm

Plate thickness: 0.5 … 2 mm

Cutout tolerance: + 0.1 mm

Please note!

Male connector/plug *WINSTA*® MINI with protection type IP20

For power and signal transmission: The *WINSTA*® MINI male connector/plug with protection type IP20. WAGO pluggable installation connectors can be used when specifications repeat or are planned on a specified grid, for example for installing grid lighting or flush-mount lighting. For greater security in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismating. B coding enables the *WINSTA*® MINI pluggable installation connectors to be used for application control in automation, mechanical engineering and robotics. Especially if only limited space is available, our smallest pluggable connection system, *WINSTA*® MINI, consistently displays its advantages. It saves space, and, thanks to Push-in CAGE CLAMP® spring pressure connection technology, it additionally saves time, since the connection is low-maintenance and can be performed without screw connections.

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. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection against mismating from WAGO.

- effective protection against mismating
- consistent IP40 protection
- with B coding for use in automation of processes, such as lighting technology, for instance
- exact dimensions
- quick replacement of defective units during ongoing operation

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	-	-

Ratings per IEC/EN – Notes	
Rated current (note)	13 A for 3-pole load 10 A for 4- and 5-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

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

Continued on next page

Mechanical data

Use	Control technology
Coding	B
Variable coding	No
Marking	+ - L ⏚ N
Potential marking	+ - L ⏚ N
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	IP20; IP40 when mated

Plug-in connection

Contact type (pluggable connector)	Male connector/plug
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)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	0.217 MJ
Weight	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

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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	4055143428255
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	EN 61984	NL-64351
CB DEKRA Certification B.V.	EN 61984	71-112993

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity 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
890-795/082-000

Documentation

Bid Text

890-795/082-000	08.06.2015	doc 24.00 KB	
890-795/082-000	19.02.2019	xml 2.92 KB	

CAD/CAE-Data

CAD data

2D/3D Models
890-795/082-000

CAE data

EPLAN Data Portal
890-795/082-000

WSCAD Universe
890-795/082-000

ZUKEN Portal
890-795/082-000

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket

Item No.: 890-285/082-000
Socket; 5-pole; Cod. B; 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

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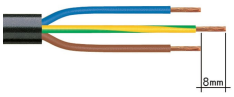
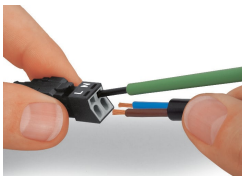
Installation Notes

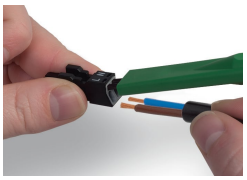
Conductor termination



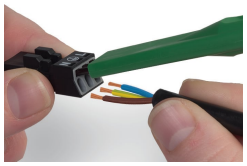
1. Strip length, outer insulation = 30 mm (2-pole), 37 mm (3-pole), 45 mm (4- and 5-pole)
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm



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.

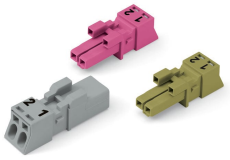


To terminate fine-stranded conductors, open clamping units via operating tool (890-382) and insert stripped conductors until they hit backstop.
Terminate solid conductors by simply pushing them in.



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.