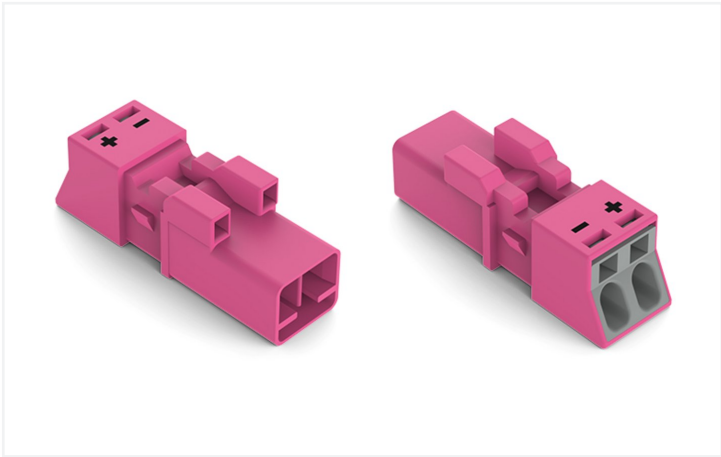
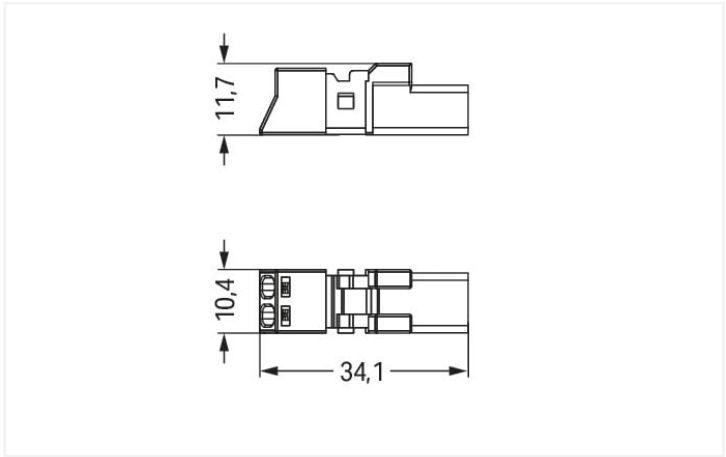




Color: ■ pink



Dimensions in mm

Male connector/plug WINSTA® MINI B coding

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MINI male connector/plug 2-pole. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to a huge variety of requirements in no time flat. 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 light, pumps or, sun blinds. Usage-specific pole marking is possible, too. Particularly 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 also can be installed quickly, since the installation is low-maintenance and can be performed without screw connections.

Lower costs through fast commissioning and elimination of service expenses – solutions from WINSTA® MINI

WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It offers fast, secure and, above all, error-free installation of components and cables. Now you can also cut installation expenses without compromising quality and safety: with marking reduces the need for servicing and prevents unnecessary downtime.

- protection against mismatching eliminates errors
- easy tool-free operation, a wide range of coding options
- with B coding for controllers such as sun blinds and lighting fixtures
- 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		250 V	-	-
Rated surge voltage		4 kV	-	-
Rated current		16 A	-	-
Approvals per		UL 1977		
Rated voltage		600 V		
Rated current		14 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	2	Connection 1 <table><tr><td>Connection technology</td><td>Push-in CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Operating tool Push-in</td></tr><tr><td>Nominal cross-section</td><td>1.5 mm² / 16 AWG</td></tr><tr><td>Solid conductor</td><td>0.25 ... 1.5 mm² / 22 ... 16 AWG</td></tr><tr><td>Solid conductor; push-in termination</td><td>0.75 ... 1.5 mm² / 20 ... 16 AWG</td></tr><tr><td>Stranded conductor</td><td>0.25 ... 1 mm² / 22 ... 18 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.25 ... 1.5 mm² / 22 ... 16 AWG</td></tr><tr><td>Fine-stranded conductor; with insulated ferrule</td><td>0.25 ... 0.75 mm² / 22 ... 20 AWG</td></tr><tr><td>Fine-stranded conductor; with uninsulated ferrule</td><td>0.25 ... 0.75 mm² / 22 ... 20 AWG</td></tr><tr><td>Fine-stranded conductor; with ferrule; push-in termination</td><td>0.75 mm² / 20 AWG</td></tr><tr><td>Strip length</td><td>9 mm / 0.35 inches</td></tr><tr><td>Pole number</td><td>2</td></tr><tr><td>Conductor entry direction to mating direction</td><td>0 °</td></tr></table>	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	2	Conductor entry direction to mating direction	0 °
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Pole number	2																											
Conductor entry direction to mating direction	0 °																											
Total number of potentials	2																											

Physical data		
Pin spacing	4.4 mm / 0.173 inches	
Width	10.4 mm / 0.409 inches	
Height	11.7 mm / 0.461 inches	
Depth	34.1 mm / 1.343 inches	

Mechanical data		
Use	Control technology	
Coding	B	
Variable coding	No	
Marking	- +	
Potential marking	- +	
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	
Protection type	IP20; IP40 when mated with strain relief housing	

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	Can be retrofitted
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
Cover color	gray
Material group	I
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	0.062 MJ
Weight	2.5 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	27-44-06-05
eCl@ss 9.0	27-44-06-05
ETIM 9.0	EC002560
ETIM 8.0	EC002560
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	PL
GTIN	4055143499613
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	Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-64351	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CB DEKRA Certification B.V.	EN 61984	71-112993	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 890-292/082-000	

Documentation

Bid Text			
890-292/082-000	19.02.2019	xml 2.98 KB	
890-292/082-000	08.06.2015	doc 23.50 KB	

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 890-292/082-000		ZUKEN Portal 890-292/082-000	



1 Compatible Products

1.1 Required Accessories

1.1.1 Locking system

1.1.1.1 Locking system



[Item No.: 890-111](#)
Locking lever; for flying leads; for tool operation; black



[Item No.: 890-131](#)
Locking lever; for flying leads; for tool operation; white



[Item No.: 890-101](#)
Locking lever; for manual operation; black



[Item No.: 890-121](#)
Locking lever; for manual operation; white

1.1.2 Strain relief

1.1.2.1 Strain relief housing



[Item No.: 890-502/342-000](#)
Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 ... 8.2 mm; 17.5 mm; black



[Item No.: 890-512/342-000](#)
Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 ... 8.2 mm; 17.5 mm; white



[Item No.: 890-502](#)
Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 ... 8.2 mm; 30 mm; black



[Item No.: 890-512](#)
Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 ... 8.2 mm; 30 mm; white

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



[Item No.: 897-2001](#)
Protective cap; Type1; for sockets and plugs; PVC; red

1.2.2 Installation

1.2.2.1 Mounting accessories



[Item No.: 890-310](#)
Mounting carrier; 2- to 5-pole; for flying leads; black



[Item No.: 890-311](#)
Mounting carrier; 2- to 5-pole; for flying leads; white

1.2.3 Tool

1.2.3.1 Operating tool



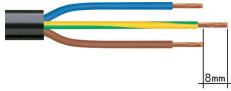
[Item No.: 890-382](#)
Operating tool; 2-way; green



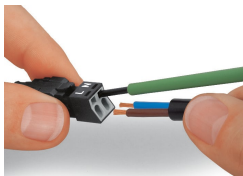
[Item No.: 210-719](#)
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

Installation Notes

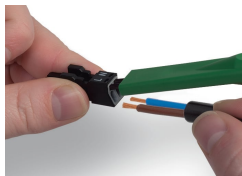
Conductor termination



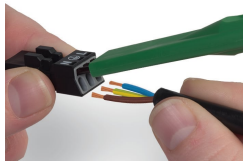
- 1. Strip length, outer insulation = 30 mm (2-pole), 37 mm (3-pole), 45 mm (4- and 5-pole)
- 2. Strip length = 9 mm
- 3. Extended ground conductor = 8 mm



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.

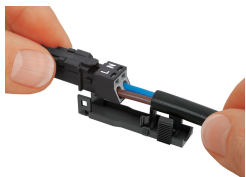


To terminate fine-stranded conductors, open clamping units via operating tool (890-382) and insert stripped conductors until they hit backstop. Terminate solid conductors by simply pushing them in.



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.

Installation



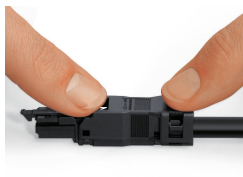
Latch the wired connector into the base of the strain relief housing.



Push down strain relief clamp by hand.



Push down strain relief clamp with 2.5 mm screwdriver alternately on both sides.

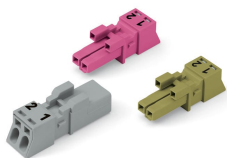


Latch the top of the strain relief housing.



The printed marking of the connector is clearly visible in the openings of the strain relief housing.

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.

