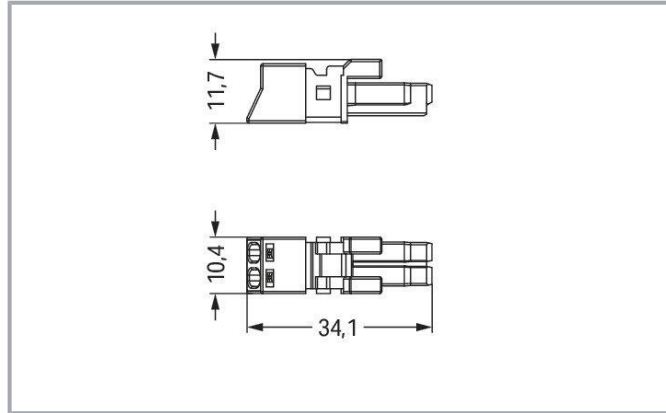
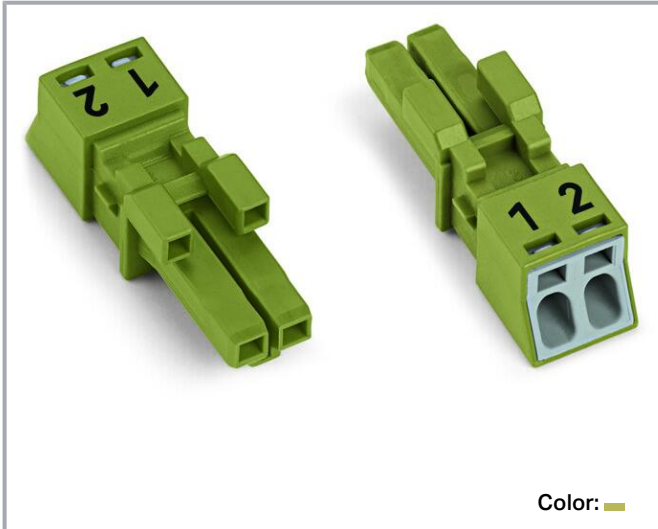


Data sheet | Item number: 890-262

Socket; 2-pole; Cod. B; 1,50 mm<sup>2</sup>; light green

[www.wago.com/890-262](http://www.wago.com/890-262)



## Item description

### Female connector/socket WINSTA® MINI with protection type IP20

The WINSTA® MINI female connector/socket with protection type IP20 supports rapid, correct installation. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to many different requirements in seconds. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. 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. Your own pole marking is possible, too. Where space is tight, our smallest pluggable connection system, WINSTA® MINI, consistently displays its strengths. 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.

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

The WINSTA® Pluggable Connection System is perfectly tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore faster, more reliable, and error-free. Using this pre-assembled system decreases assembly times and installation errors at the construction site. Now you can also reduce installation expenses without compromising quality and safety: with protection type IP20 reduces

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

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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, for example lighting fixtures and sun blinds
- custom-engineered solutions
- rapid, structured electrical installation

## Data

### 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

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	250 V
Rated impulse voltage (III/3)	4 kV
Rated current	16 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

### Ratings per UL 1977

Note for the US market	Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.
Rated voltage (UL 1977)	600 V
Rated current UL 1977	14 A

## General information

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket
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Subject to changes. Please also observe the further product documentation!



## Connection data

Connection points	2
Total number of potentials	2

## Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool Push-in
Nominal cross-section	1.5 mm <sup>2</sup> / 16 AWG
Solid conductor	0.25 ... 1.5 mm <sup>2</sup> / 22 ... 16 AWG
Solid conductor; push-in termination	0.75 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG
Stranded conductor	0.25 ... 1 mm <sup>2</sup> / 22 ... 18 AWG
Fine-stranded conductor	0.25 ... 1.5 mm <sup>2</sup> / 22 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 0.75 mm <sup>2</sup> / 22 ... 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 0.75 mm <sup>2</sup> / 22 ... 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm <sup>2</sup> / 20 AWG
Strip length	9 mm / 0.35 inches
Pole number	2
Conductor entry direction to mating direction	0°

## 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

Application	Control technology
Coding	B
Variable coding	No
Marking	1 2
Potential marking	1 2
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)

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



Number of mating cycles	200, without resistive load
Protection type	IP20; IP40 with strain relief housing

### Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismating protection	Yes
Note on mismating protection	All <i>WINSTA</i> <sup>®</sup> 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	light green
Cover color	gray
Material group	I
Insulation material	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	0.016 MJ
Weight	2.6 g

### Environmental requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C

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

Note on continuous operating temperature

Insulating parts for temperatures  $\leq 105\text{ }^{\circ}\text{C}$ 

## Commercial data

Product Group	20 (Winsta)
eCl@ss 10.0	27-44-06-05
eCl@ss 9.0	27-44-06-05
ETIM 8.0	EC002560
ETIM 7.0	EC002560
ECCN	NO DATA
PU (SPU)	50 pcs
Packaging type	box
Country of origin	PL
GTIN	4055143499682
Customs tariff number	85366990990




## Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

## Approvals / Certificates

### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-64351
	CB DEKRA Certification B.V.	EN 61984	71-112993
	cURus Underwriters Laboratories Inc.	UL 1977	E45171
	KEMA/KEUR DEKRA Certification B.V.	EN 60320	2148952.04

## Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
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EU-Declaration of Conformity  
WAGO GmbH & Co. KG

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UK-Declaration of Conformity  
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Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
	<b>LR</b> Lloyds Register	EN 61535	08/20047 (E2)

Counterpart

	<b>Item no.890-272</b> Plug; 2-pole; 1,50 mm <sup>2</sup> ; light green	<a href="http://www.wago.com/890-272">www.wago.com/890-272</a>
	<b>Item no.890-1602</b> T-distribution connector; 2-pole; Cod. B; 1 input; 2 outputs; 2 locking levers; light green	<a href="http://www.wago.com/890-1602">www.wago.com/890-1602</a>
	<b>Item no.890-772</b> Snap-in plug; 2-pole; Cod. B; 1,50 mm <sup>2</sup> ; light green	<a href="http://www.wago.com/890-772">www.wago.com/890-772</a>
	<b>Item no.890-1702</b> T-distribution connector; 2-pole; Cod. B; 1 input; 2 outputs; 3 locking levers; for flying leads; light green	<a href="http://www.wago.com/890-1702">www.wago.com/890-1702</a>
	<b>Item no.890-872</b> Plug for PCBs; straight; 2-pole; Cod. B; light green	<a href="http://www.wago.com/890-872">www.wago.com/890-872</a>
	<b>Item no.890-872/011-000</b> Plug for PCBs; angled; 2-pole; Cod. B; light green	<a href="http://www.wago.com/890-872/011-000">www.wago.com/890-872/011-000</a>
	<b>Item no.891-8992/005-105</b> pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. B; Control cable 2 x 1.0 mm <sup>2</sup> ; 1 m; 1,00 mm <sup>2</sup> ; light green	<a href="http://www.wago.com/891-8992/005-105">www.wago.com/891-8992/005-105</a>
	<b>Item no.891-8992/205-105</b>	

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

pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. B; Control cable 2 x 1.0 mm<sup>2</sup>; 1 m; 1,00 mm<sup>2</sup>; light green

[www.wago.com/891-8992/205-105](http://www.wago.com/891-8992/205-105)

## Required accessories

### Locking levers

#### Locking system



**Item no.: 890-111**  
Locking lever; for flying leads; for tool operation; black

[www.wago.com/890-111](http://www.wago.com/890-111)



**Item no.: 890-101**  
Locking lever; for manual operation; black

[www.wago.com/890-101](http://www.wago.com/890-101)



**Item no.: 890-121**  
Locking lever; for manual operation; white

[www.wago.com/890-121](http://www.wago.com/890-121)



**Item no.: 890-131**  
Locking lever; for flying leads; for tool operation; white

[www.wago.com/890-131](http://www.wago.com/890-131)

### Strain relief

#### Strain relief housing



**Item no.: 890-502**  
Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 ... 8.2 mm; 30 mm; black

[www.wago.com/890-502](http://www.wago.com/890-502)



**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

[www.wago.com/890-502/342-000](http://www.wago.com/890-502/342-000)



**Item no.: 890-512**  
Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 ... 8.2 mm; 30 mm; white

[www.wago.com/890-512](http://www.wago.com/890-512)



**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

[www.wago.com/890-512/342-000](http://www.wago.com/890-512/342-000)

## Optional accessories

### Mounting

#### Mounting accessories



**Item no.: 890-310**  
Mounting carrier; 2- to 5-pole; for flying leads; black

[www.wago.com/890-310](http://www.wago.com/890-310)

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



**Item no.: 890-311**  
Mounting carrier; 2- to 5-pole; for flying leads; white

[www.wago.com/890-311](http://www.wago.com/890-311)

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#### Tool

Operating tool



**Item no.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

[www.wago.com/210-719](http://www.wago.com/210-719)



**Item no.: 890-382**  
Operating tool; 2-way; green

[www.wago.com/890-382](http://www.wago.com/890-382)

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#### Cover

Cover



**Item no.: 897-2001**  
Protective cap; Type1; for sockets and plugs; PVC; red

[www.wago.com/897-2001](http://www.wago.com/897-2001)

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## Downloads

### Documentation

#### Bid Text

890-262 X81 - Datei	2019 Feb 19	xml 3.0 kB	Download
890-262 doc - Datei	2015 Jun 8	doc 23.6 kB	Download

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### CAD/CAE-Data

#### CAE data

WSCAD Universe 890-262	URL	Download
ZUKEN Portal 890-262	URL	Download

#### CAD data

2D/3D Models 890-262	URL	Download
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### Asset Administration Shell

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

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 890-262

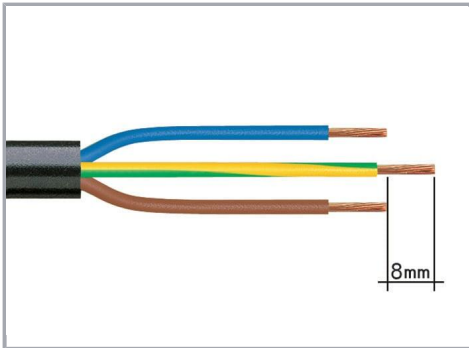
[URL](#)

[Download](#)

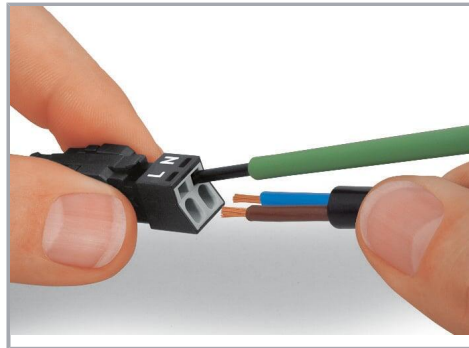
Socket; 2-pole; Cod. B; 1,50 mm<sup>2</sup>; light green

## 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.

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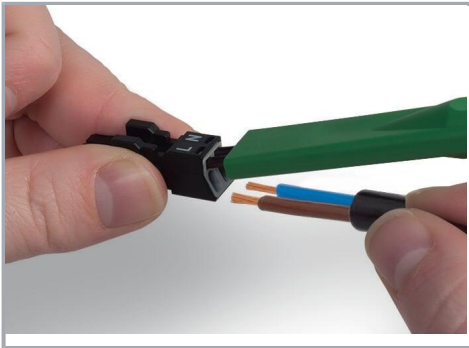
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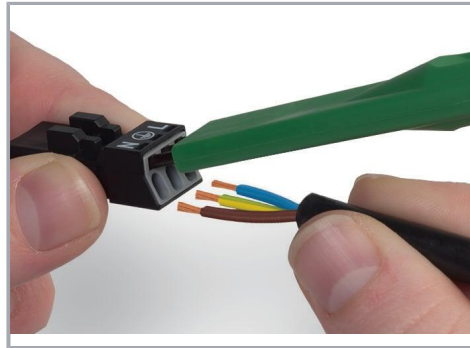
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To terminate fine-stranded conductors, open clamping units via operating tool (890-382) and insert stripped conductors until they hit backstop. Terminate solid conductors by simply pushing them in.

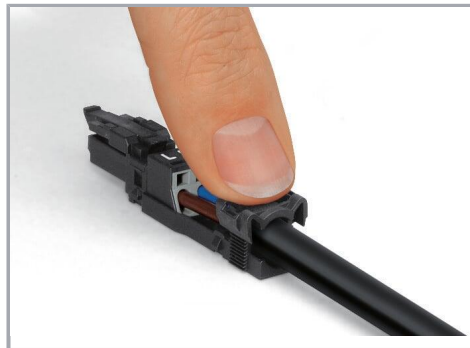


To terminate fine-stranded conductors, open clamping units via operating tool (890-383) and insert stripped conductors until they hit backstop. Terminate solid conductors by simply pushing them in.

### Installation



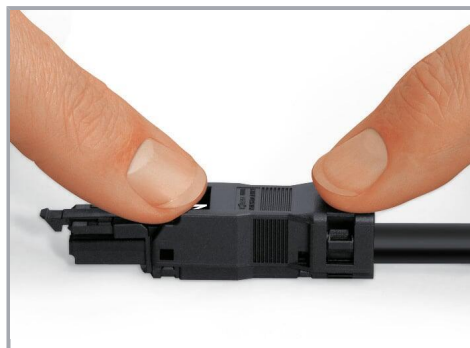
Latch the wired connector into the base of the strain relief housing.



Push down strain relief clamp by hand.



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



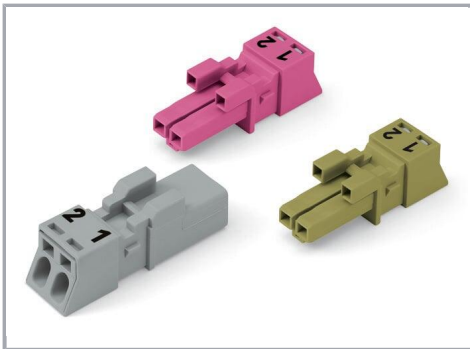
Latch the top of the strain relief housing.

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

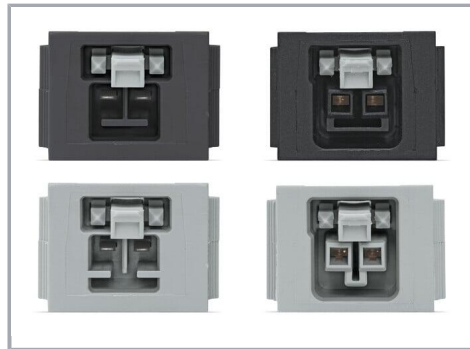


The printed marking of the connector is clearly visible in the openings of the strain relief housing.

#### Mismatching protection



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

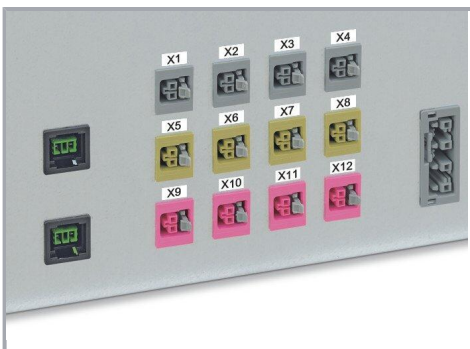


B-coded connectors (shown in gray) not only differ in color, but also in their design, making them incompatible with other coded connectors.

#### 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.



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

Data sheet | Item number: 890-262

[www.wago.com/890-262](http://www.wago.com/890-262)



## Product family

**WINSTA® MINI**

[Show all products from the family](#)

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