

Item description

Male connector/plug *WINSTA*® MINI rated current 16 A

For signal and power transmission: The *WINSTA*® MINI male connector/plug with protection type IP20. WAGO pluggable installation connectors can be used when criteria repeat or are planned on a specified pattern, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, secure wiring of all components. 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. Thanks to its particularly small dimensions, our *WINSTA*® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is especially suitable in very tight spaces, i.e., for installations when very little room is available.

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

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

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



type IP20 eliminates the need for servicing and prevents unnecessary downtime.

-
- pluggable installation connectors with protection against mismatching
- easy tool-free operation, a wide range of coding options
- with B coding for use in process automation, such as lighting technology, for example
- ready for immediate use
- convenient installation and commissioning

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)	400 V
Rated impulse voltage (III/3)	6 kV
Rated current	16 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Ratings per IEC/EN – Notes

Note (rated current) 13 A for 3-pole load
10 A for 4-pole load

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	12 A

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General information

Note on contact resistance

approx. 1 mΩ of contact resistance

approx. 0.25 mΩ contact transition plug/socket

Connection data

Connection points

4

Total number of potentials

4

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

4

Conductor entry direction to mating direction

0°

Physical data

Pin spacing

4.4 mm / 0.173 inches

Width

19.2 mm / 0.756 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

AI DI U+ U-

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WAGO GmbH & Co. KG

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Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



Potential marking	AI DI U+ U-
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 <i>WINSTA</i> [®] 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	0.113 MJ
Weight	4.6 g

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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 8.0	EC002560
ETIM 7.0	EC002560
ECCN	NO DATA
PU (SPU)	50 pcs
Packaging type	box
Country of origin	PL
GTIN	4055143523653
Customs tariff number	85366990990

Environmental Product Compliance


RoHS Compliance Status	Compliant, No Exemption
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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

Declarations of conformity and manufacturer's declarations


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

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UK-Declaration of Conformity
WAGO GmbH & Co. KG

Approvals for marine applications





Logo	Approval	Additional Approval Text	Certificate name
	LR Lloyds Register	EN 61535	08/20047 (E2)

Counterpart


	Item no.890-264/072-000 Socket; 4-pole; Cod. B; 1,50 mm ² ; light green	www.wago.com/890-264/072-000
	Item no.890-764/072-000 Snap-in socket; 4-pole; Cod. B; 1,50 mm ² ; light green	www.wago.com/890-764/072-000

Required accessories

Locking levers

Locking system		
	Item no.: 890-111 Locking lever; for flying leads; for tool operation; black	www.wago.com/890-111
	Item no.: 890-101 Locking lever; for manual operation; black	www.wago.com/890-101
	Item no.: 890-121 Locking lever; for manual operation; white	www.wago.com/890-121
	Item no.: 890-131 Locking lever; for flying leads; for tool operation; white	www.wago.com/890-131

Strain relief

Strain relief housing		
	Item no.: 890-504 Strain relief housing; 4-pole; with locking clip; for 1 cable; 6.5 ... 10.5 mm; 45 mm; black	www.wago.com/890-504

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



Item no.: 890-514

Strain relief housing; 4-pole; with locking clip; for 1 cable; 6.5 ... 10.5 mm; 45 mm; white

www.wago.com/890-514

Optional accessories

Cover

Cover



Item no.: 897-2003

Protective cap; Type2; for sockets and plugs; PVC; red

www.wago.com/897-2003

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



Item no.: 890-384

Operating tool; 4-way; green

www.wago.com/890-384

Mounting

Mounting accessories



Item no.: 890-310

Mounting carrier; 2- to 5-pole; for flying leads; black

www.wago.com/890-310



Item no.: 890-311

Mounting carrier; 2- to 5-pole; for flying leads; white

www.wago.com/890-311

Downloads

Documentation

Bid Text

890-274/072-000 X81 - Datei	2019 Feb 19	xml 3.0 kB	Download
890-274/072-000 doc - Datei	2015 Jun 8	doc 24.6 kB	Download

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CAD/CAE-Data

CAD data

2D/3D Models 890-274/072-000	URL	Download
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CAE data

ZUKEN Portal 890-274/072-000	URL	Download
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Asset Administration Shell

Asset Administration Shell 890-274/072-000	URL	Download
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Environmental Product Compliance

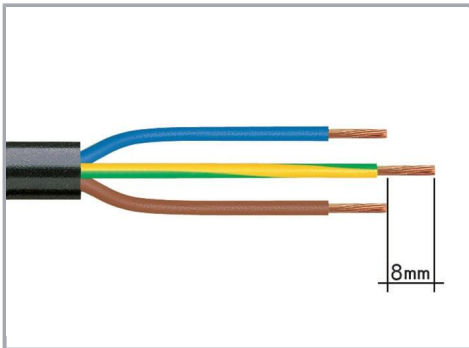
Compliance Search

Environmental Product Compliance 890-274/072-000	URL	Download
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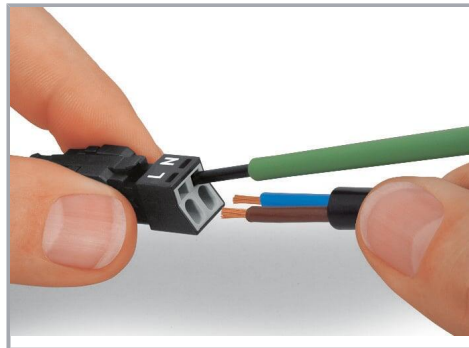
Plug; 4-pole; 1,50 mm²; light green

Installation Notes

Conductor termination

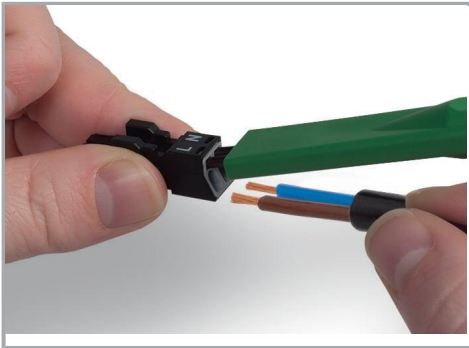


1. Strip length, outer insulation = 30 mm (2-pole), 37 mm (3-pole), 45 mm (4- and 5-pole)
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm

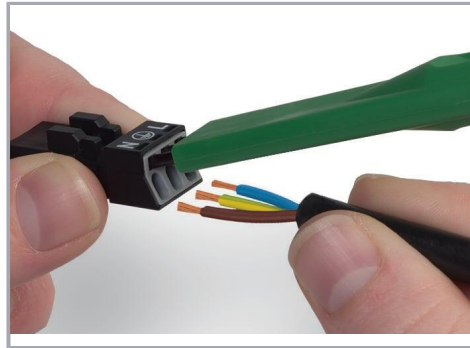


To terminate fine-stranded conductors, open the clamping unit via screwdriver – 2.5 mm blade width – and insert a stripped conductor until it hits the backstop. Terminate solid conductors by simply pushing them in.

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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.

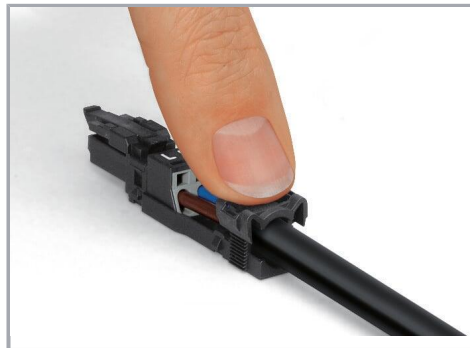


To terminate fine-stranded conductors, open clamping units via operating tool (890-383) and insert stripped conductors until they hit backstop. Terminate solid conductors by simply pushing them in.

Installation



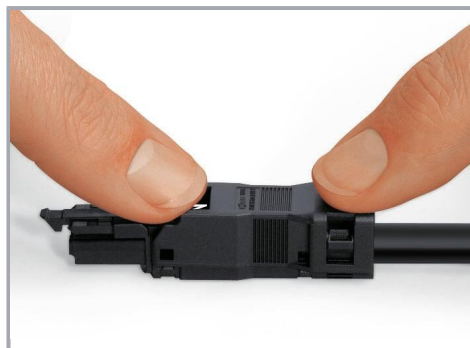
Latch the wired connector into the base of the strain relief housing.



Push down strain relief clamp by hand.



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



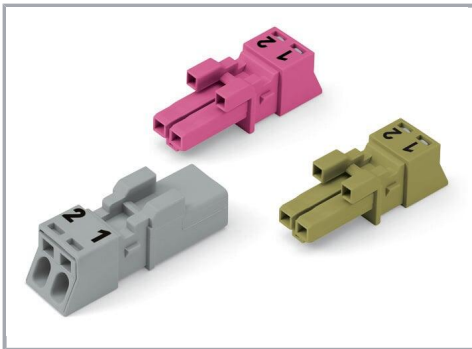
Latch the top of the strain relief housing.

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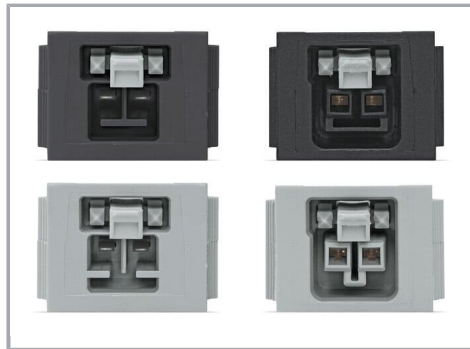


The printed marking of the connector is clearly visible in the openings of the strain relief housing.

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.



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Product family

WINSTA® MINI

[Show all products from the family](#)

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