

 Picture differs from the item.

RoHS   
Compliant



Color: 

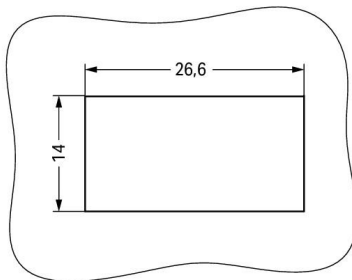


Plate thickness: 0.5 ... 2 mm  
Cutout tolerance: + 0.1 mm

### Item description

- Protected against mismatching and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements.
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

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



## Data

### Electrical data

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket
----------------------------	---

### Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	400 V
Rated surge voltage (III/3)	6 kV
Rated current	16 A
Note on rated current	13 A for 3-pole load 10 A for 4-pole load
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

### Ratings per UL

Hinweis für den amerikanischen Markt	Application note for the U.S. market (USR): 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

### Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool Push-in
Nominal cross-section	1.5 mm <sup>2</sup>
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 inch
Note (strip length)	see also packaging or instructions

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

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Pole No.	4
Total number of connection points	4
Total number of potentials	4
Conductor entry direction to mating direction	0°

### Physical data

Pin spacing	4.4 mm / 0.173 inch
Width	28.6 mm / 1.126 inch
Height	16 mm / 0.63 inch
Depth	39.8 mm / 1.567 inch

### Mechanical data

Application	Measurement and regulation technology
Coding	B
Marking	2L 1L L
Potential marking	2L 1L L
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 inch
Mounting type	Snap-in
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 <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	yes
Locking of plug-in connection	locking lever
Hinweis zur Verriegelung	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

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plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

## Material data

Color	gray
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)
Fire load	0.03 MJ
Weight	7.4 g

## Environmental requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on continuous operating temperature	Insulating parts for temperatures $\leq 105$ °C

## Commercial data

Packaging type	BOX
Country of origin	PL
GTIN	4055143428033
Customs tariff number	85366990990

## Approvals / Certificates

### Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	EN 61984	71- 112993
	CB DEKRA Certification B.V.	IEC 61984	NL-64351

### Ship Approvals

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

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



## Counterpart



Item no. 890-254/064-000  
Plug; 4-pole; 1,50 mm<sup>2</sup>; gray

[www.wago.com/890-254/064-000](http://www.wago.com/890-254/064-000)

## Required accessories

### tools



Item no.: 890-384  
Operating tool; 4-way; green

[www.wago.com/890-384](http://www.wago.com/890-384)

### protection



Item no.: 890-644  
Lockout cap; 4-pole; for cutouts; Plastic; black

[www.wago.com/890-644](http://www.wago.com/890-644)



Item no.: 890-694  
Lockout cap; 4-pole; for cutouts; Plastic; white

[www.wago.com/890-694](http://www.wago.com/890-694)

## Compatible products

### tools



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)

## Downloads

### Documentation

#### Bid Text

890-744/064-000 doc - Datei	30. 11. 2018	doc 23.6 kB	Download
890-744/064-000 X81 - Datei	19. 2. 2019	xml 3.0 kB	Download

## CAD/CAE-Data

### CAD data

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2D/3D Models 890-744/064-000

[URL](#)

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### CAE data

EPLAN Data Portal 890-744/064-000

[URL](#)

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WSCAD Universe 890-744/064-000

[URL](#)

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ZUKEN Portal 890-744/064-000

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EPLAN Data Portal 890-744/064-000

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WSCAD Universe 890-744/064-000

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## Environmental Product Compliance

### Compliance Search

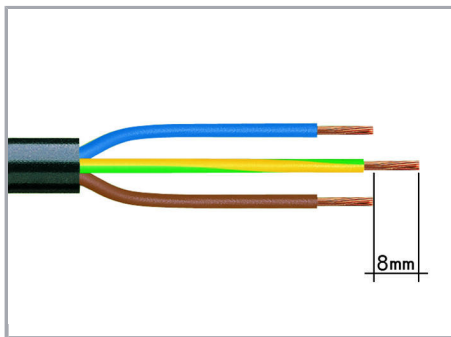
Environmental Product Compliance 890-744/064-000

[URL](#)

[Download](#)

Snap-in socket; 4-pole; Cod. B; 1,50 mm<sup>2</sup>; gray

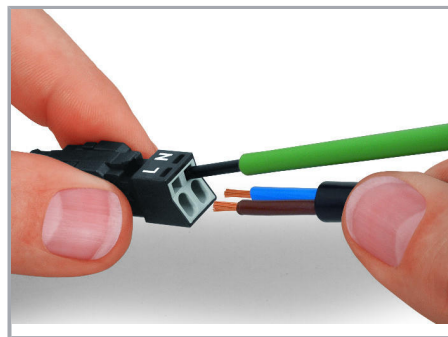
## Installation Notes



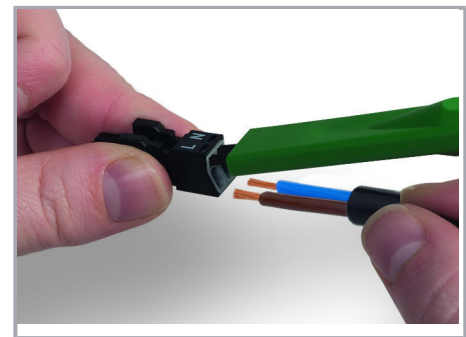
1. Strip length, outer insulation = 30 mm (2-pole), 37 mm (3-pole), 45 mm (4- and 5-pole)

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.

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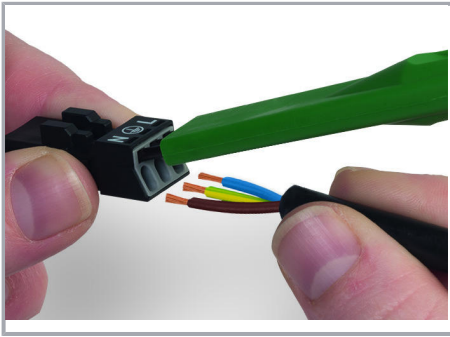
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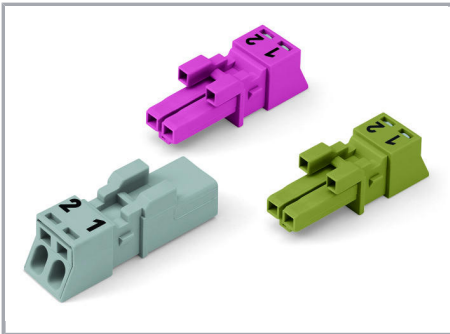
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To terminate fine-stranded conductors, open clamping units via operating tool (890-383) and insert stripped conductors until they hit backstop.

Terminate solid conductors by simply pushing them in.

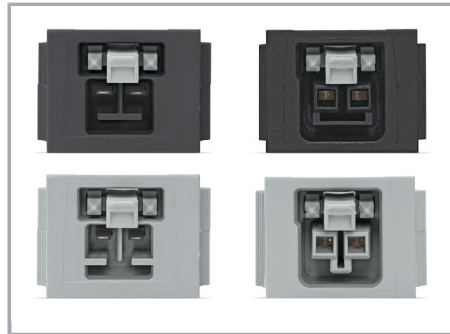
#### Mismatching protection



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.



#### Product family

*WINSTA*® MINI

[Show all products from the family](#)

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