

 Picture differs from the item.

RoHS  Compliant



Color: 

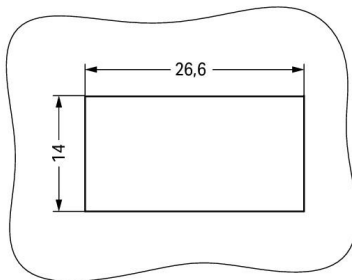


Plate thickness: 0.5 ... 2 mm  
Cutout tolerance: + 0.1 mm

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



|   |    |
|---|----|
| 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                         | IP20   |
| Note on protection type                 | 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 <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                     |

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



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                | 0.167 MJ                                 |
| Weight                   | 6.9 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                  | 4055143428026 |
| Customs tariff number | 85366990990   |

## Approvals / Certificates

### Country specific Approvals

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

### Ship Approvals

| Logo | Approval              | Additional Approval Text | Certificate name |
|------|-----------------------|--------------------------|------------------|
|      | LR<br>Lloyds Register | EN 61535                 | 08/20047<br>(E2) |

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



## Counterpart



Item no. 890-244/064-000

Socket; 4-pole; Cod. B; 1,50 mm<sup>2</sup>; gray[www.wago.com/890-244/064-000](http://www.wago.com/890-244/064-000)

## 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

|                 |              |         |          |
|-----------------|--------------|---------|----------|
| 890-754/064-000 | 19. 2. 2019  | xml     | Download |
| X81 - Datei     |              | 3.0 kB  |          |
| 890-754/064-000 | 30. 11. 2018 | doc     | Download |
| doc - Datei     |              | 23.6 kB |          |

## CAD/CAE-Data

### CAD data

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2D/3D Models 890-754/064-000

[URL](#) [Download](#)

### CAE data

EPLAN Data Portal 890-754/064-000

[URL](#) [Download](#)

WSCAD Universe 890-754/064-000

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ZUKEN Portal 890-754/064-000

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WSCAD Universe 890-754/064-000

[URL](#) [Download](#)

EPLAN Data Portal 890-754/064-000

[URL](#) [Download](#)

## Environmental Product Compliance

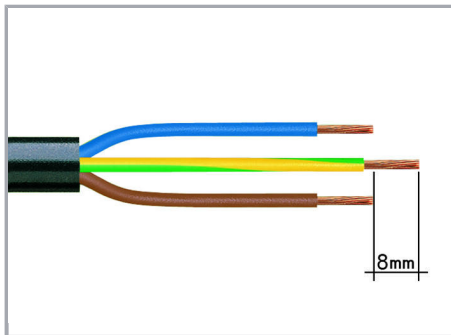
### Compliance Search

Environmental Product Compliance 890-754/064-000

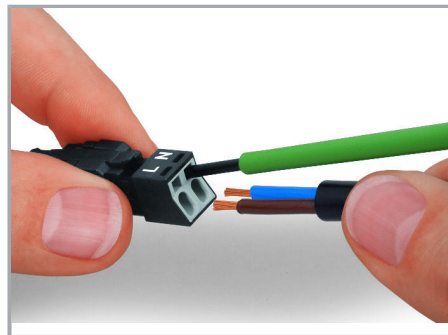
[URL](#) [Download](#)

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

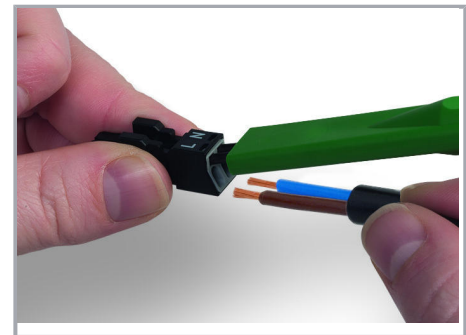
## Installation Notes



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



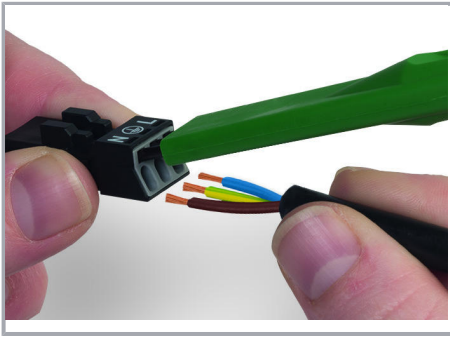
To terminate fine-stranded conductors, open the clamping unit via screwdriver – 2.5 mm blade width – and insert a stripped conductor until it hits the backstop. Terminate solid conductors by simply pushing them in.



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.

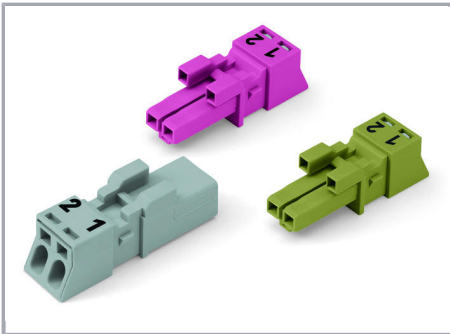
Subject to changes. Please also observe the further product documentation!



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.

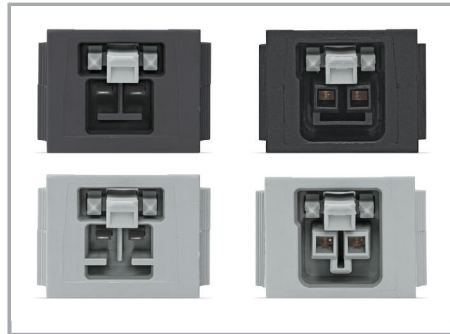
### Mismatching protection



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!