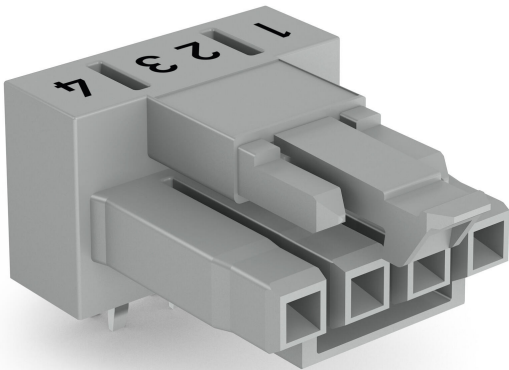
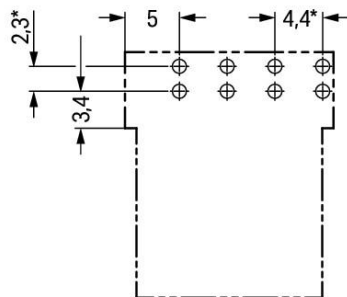
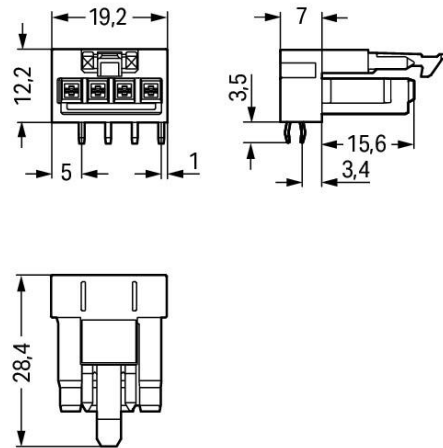




Color: 



\*  $\pm 0.05$  mm

Drilled hole diameter:  $1.3^{+0.1}$  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

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

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

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- Components can be clearly printed on and color-coded to meet custom requirements.

## Data

### Electrical data

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

### IEC Approvals

|                             |                                                           |
|-----------------------------|-----------------------------------------------------------|
| Ratings per                 | IEC/EN 60664-1                                            |
| Rated voltage (III / 3)     | 250 V                                                     |
| Rated surge voltage (III/3) | 4 kV                                                      |
| Rated current               | 16 A                                                      |
| 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

|                            |   |
|----------------------------|---|
| Pole No.                   | 4 |
| Total number of potentials | 4 |
| Number of levels           | 1 |

### Physical data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 4.4 mm / 0.173 inch      |
| Width                                | 19.2 mm / 0.756 inch     |
| Height                               | 15.7 mm / 0.618 inch     |
| Height from the surface              | 12.2 mm / 0.48 inch      |
| Depth                                | 28.4 mm / 1.118 inch     |
| Solder pin length                    | 3.5 mm                   |
| Solder pin dimensions                | 1 x 0.8 mm               |
| Drilled hole diameter with tolerance | 1.3 <sup>(+0.1)</sup> mm |

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## Mechanical data

|                                         |                                                                                                                |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Application                             | Measurement and regulation technology                                                                          |
| Coding                                  | B                                                                                                              |
| Marking                                 | 1 2 3 4                                                                                                        |
| Potential marking                       | 1 2 3 4                                                                                                        |
| 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<br><br>100, with resistive load $I_N = 16$ A, tested (1.5 mm <sup>2</sup> /16 AWG) |
| Design                                  | angled                                                                                                         |

## Plug-in connection

|                                    |                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact type (pluggable connector) | Female connector/socket                                                                                                                                                                                                                                                                                          |
| Connector (connection type)        | for PCB                                                                                                                                                                                                                                                                                                          |
| 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                                                                                                |
| Mating direction to the PCB        | 0°                                                                                                                                                                                                                                                                                                               |
| 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 plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket). |

## PCB contact

|                                     |                            |
|-------------------------------------|----------------------------|
| PCB Contact                         | THT                        |
| Solder pin arrangement              | 2 in-line solder pins/pole |
| Number of solder pins per potential | 2                          |

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

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## 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                | 0.073 MJ                                 |
| Weight                   | 4.3 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                  | 4050821695820 |
| Customs tariff number | 8536694040    |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                               | Approval                               | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|----------------------------------------|--------------------------|------------------|
|                                                                                    | <b>CB</b><br>DEKRA Certification B.V.  | IEC 61984                | NL-64351         |
|  | <b>CB</b><br>DEKRA Certification B.V.  | EN 61984                 | 71-112993        |
|  | <b>CCA</b><br>DEKRA Certification B.V. | EN 60320                 | 2148952.04       |

### Ship Approvals

| Logo | Approval                                                | Additional Approval Text | Certificate name |
|------|---------------------------------------------------------|--------------------------|------------------|
|      | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE00001Z6       |

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## UL-Approvals

| Logo                                                                             | Approval                                | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|-----------------------------------------|--------------------------|------------------|
|  | cURus<br>Underwriters Laboratories Inc. | UL 1977                  | E45171           |

## Counterpart



Item no.890-254

Plug; 4-pole; 1,50 mm<sup>2</sup>; gray

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



Item no.891-8994/005-103

pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. B; Control cable 4 x 1.0 mm<sup>2</sup>; 1 m; 1,00 mm<sup>2</sup>; gray

[www.wago.com/891-8994/005-103](http://www.wago.com/891-8994/005-103)



Item no.891-8994/205-103

pre-assembled connecting cable; Eca; Plug/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0 mm<sup>2</sup>; 1 m; 1,00 mm<sup>2</sup>; gray

[www.wago.com/891-8994/205-103](http://www.wago.com/891-8994/205-103)

## Downloads

### CAD files

#### CAD data

| 2D/3D Models 890-844/011-000 | URL | Download |
|------------------------------|-----|----------|
|------------------------------|-----|----------|

### PCB Design

| Symbol and Footprint 890-844/011-000 | URL | Download |
|--------------------------------------|-----|----------|
|--------------------------------------|-----|----------|

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

### Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries

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

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- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

#### CAE data

|                              |     |          |
|------------------------------|-----|----------|
| ZUKEN Portal 890-844/011-000 | URL | Download |
|------------------------------|-----|----------|

#### Environmental Product Compliance

##### Compliance Search

|                                                  |     |          |
|--------------------------------------------------|-----|----------|
| Environmental Product Compliance 890-844/011-000 | URL | Download |
| Socket for PCBs; angled; 4-pole; Cod. B; gray    |     |          |

#### Installation Notes

#### Product family

<i>WINSTA</i>® MINI  
[Show all products from the family](#)

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

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