

**Data sheet | Item number: 294-5002**

Power supply connector; without ground contact; with snap-in mounting feet; plain; 2-pole

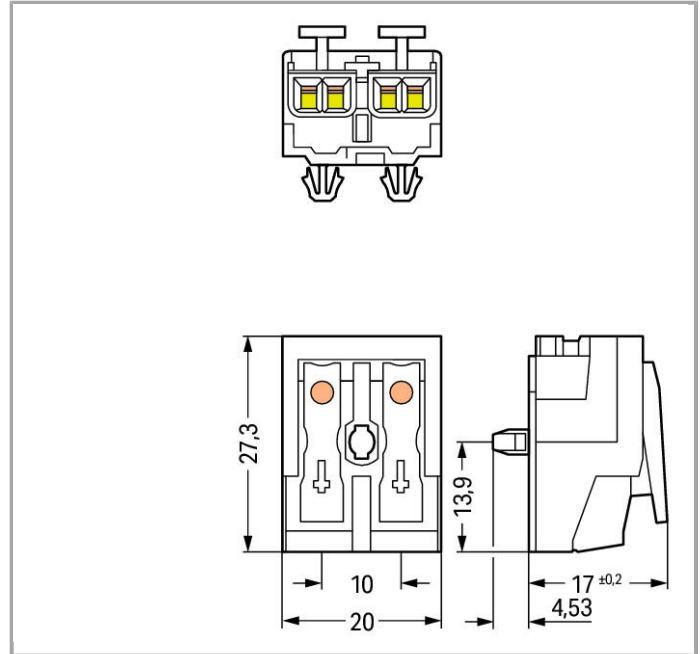
[www.wago.com/294-5002](http://www.wago.com/294-5002)

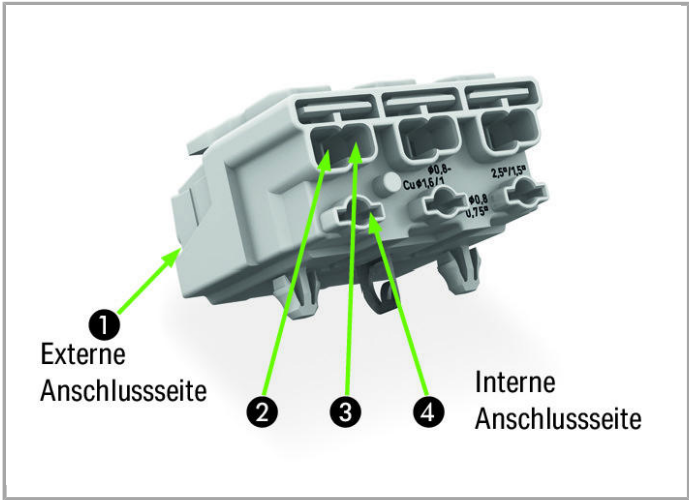


RoHS   
Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color: 





Item description

- External connection of solid, stranded and fine-stranded conductors
- Universal conductor termination (AWG, metric)
- Third contact at bottom
- Strain relief plate can be retrofitted

Data  
Electrical data

Ratings per IEC/EN 60664-1

| Ratings note                     | Connection points                                         |
|----------------------------------|-----------------------------------------------------------|
| Rated voltage (II / 2)           | 500 V                                                     |
| Rated impulse voltage (II / 2)   | 4 kV                                                      |
| Rated current                    | 24 A                                                      |
| Ratings according to 2           | IEC/EN 60998-2-2                                          |
| Ratings note 2                   | Connection points                                         |
| Rated voltage (II / 2) 2         | 500 V                                                     |
| Rated impulse voltage (II / 2) 2 | 4 kV                                                      |
| Rated current (2)                | 24 A                                                      |
| Rated current (3)                | 16 A                                                      |
| Legend (ratings)                 | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

Connection data

|                                               |                     |
|-----------------------------------------------|---------------------|
| Connection type (1)                           | External 1          |
| Connection technology                         | Push-in CAGE CLAMP® |
| Number of connection points (connection type) | 2                   |
| Actuation type                                | Operating tool      |



|                                                                 |                                             |
|-----------------------------------------------------------------|---------------------------------------------|
|                                                                 | Push-button                                 |
| Connectable conductor materials                                 | Copper<br>Aluminum                          |
| Solid conductor                                                 | 0.5 ... 2.5 mm <sup>2</sup> / 18 ... 12 AWG |
| Solid conductor, push-in termination                            | 0.5 ... 2.5 mm <sup>2</sup> / 18 ... 12 AWG |
| Stranded conductor                                              | 0.5 ... 2.5 mm <sup>2</sup> / 18 ... 14 AWG |
| Fine-stranded conductor                                         | 0.5 ... 2.5 mm <sup>2</sup> / 18 ... 14 AWG |
| Fine-stranded conductor with ferrule with plastic collar        | 0.5 ... 1.5 mm <sup>2</sup> / 18 ... 16 AWG |
| Fine-stranded conductor with ferrule without plastic collar     | 0.5 ... 1.5 mm <sup>2</sup> / 18 ... 16 AWG |
| Fine-stranded conductor with ferrule, push-in termination, from | 0.5 mm <sup>2</sup> / 18 AWG                |
| Strip length                                                    | 8 ... 9 mm / 0.31 ... 0.35 Inch             |
| Connection type (2)                                             | Internal 2                                  |
| Connection technology 2                                         | PUSH WIRE®                                  |
| Number of connection points                                     | 1                                           |
| Solid conductor (2)                                             | 0.5 ... 2.5 mm <sup>2</sup> / 18 ... 14 AWG |
| Fine-stranded conductor with insulated ferrule (2)              | 0.5 ... 1 mm <sup>2</sup> / 18 ... 16 AWG   |
| Fine-stranded conductor with uninsulated ferrule (2)            | 0.5 ... 1.5 mm <sup>2</sup> / 18 ... 14 AWG |
| Strip length (2)                                                | 8 ... 9 mm / 0.31 ... 0.35 Inch             |
| Connection type (3)                                             | Internal 3                                  |
| Number of connection points                                     | 1                                           |
| Solid conductor (3)                                             | 0.5 ... 1.5 mm <sup>2</sup> / 18 ... 16 AWG |
| Fine-stranded conductor with insulated ferrule (3)              | 0.5 ... 0.75 mm <sup>2</sup> / 18 AWG       |
| Fine-stranded conductor with uninsulated ferrule (3)            | 0.5 ... 1 mm <sup>2</sup> / 18 AWG          |
| Connection type (4)                                             | Internal 4                                  |
| Number of connection points                                     | 1                                           |
| Solid conductor (4)                                             | 0.5 ... 0.75 mm <sup>2</sup> / 18 AWG       |
| No. of poles                                                    | 2                                           |
| Total number of connection points                               | 10                                          |
| Total number of potentials                                      | 2                                           |
| Number of connection types                                      | 4                                           |
| Type of wiring                                                  | Side-entry wiring                           |

## Geometrical Data

|                         |                      |
|-------------------------|----------------------|
| Width                   | 20 mm / 0.787 inch   |
| Height from the surface | 17 mm / 0.669 inch   |
| Depth                   | 27.3 mm / 1.075 inch |

## Mechanical data

|               |                       |
|---------------|-----------------------|
| Mounting type | Snap-in mounting foot |
| Marking       | plain                 |

## Material Data

|                             |                                   |
|-----------------------------|-----------------------------------|
| Color                       | white                             |
| Material group              | III a                             |
| Insulating material         | Polycarbonate (PC)                |
| Flammability class per UL94 | V0                                |
| Clamping spring material    | Chrome nickel spring steel (CrNi) |
| Contact material            | Electrolytic copper (Ecu)         |
| Contact plating             | tin-plated                        |
| Fire load                   | 0.123 MJ                          |
| Weight                      | 6.36 g                            |

## Environmental Requirements

|                       |        |
|-----------------------|--------|
| Temperature stability | 120 °C |
|-----------------------|--------|

## Commercial data

|                    |                                |
|--------------------|--------------------------------|
| Country of origin  | CH                             |
| GTIN               | 4050821020738                  |
| Customs Tariff No. | 85369010000                    |
| Product Group      | 8 (Misc. Chassis Mount Blocks) |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                               | Approval                            | Certificate name |
|------------------------------------------------------------------------------------|-------------------------------------|------------------|
|  | ENEC 05<br>DEKRA Certification B.V. | 2128791.01       |

## Compatible products

### Strain relief plate

|                                                                                    |                                                                                                                                                                                                                          |                                                                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 294-364</b><br>Strain relief plate; with secured clamp; 3- to 5-pole; for multicore cable: 1 x outer diameter 5.2 - 12 mm; <a href="http://www.wago.com/294-364">www.wago.com/294-364</a><br>for 294 Series |                                                                |
|  | <b>Item no.: 294-370</b><br>Strain relief; with snap-in mounting feet; for cable diameter 4.5 - 12 mm                                                                                                                    | <a href="http://www.wago.com/294-370">www.wago.com/294-370</a> |
|  | <b>Item no.: 294-375</b><br>Strain relief; without snap-in mounting feet; for cable diameter 4.5 - 12 mm                                                                                                                 | <a href="http://www.wago.com/294-375">www.wago.com/294-375</a> |
|  | <b>Item no.: 294-384</b><br>Strain relief plate; with secured clamp; 3- to 5-pole; for single strands: min. 3 x 0.5 mm, max. 5 x 2.5 mm or 7 x 1.5 mm; for 294 Series                                                    | <a href="http://www.wago.com/294-384">www.wago.com/294-384</a> |

## tools

**Item no.: 206-294**

Disconnection tool; suitable for removing conductors from PUSH WIRE® contacts

[www.wago.com/206-294](http://www.wago.com/206-294)**Item no.: 294-199**Operating tool; for pressing the snap-in mounting feet into the mounting plate; For safe and easy fitting of the ground contacts; for 294 Series [www.wago.com/294-199](http://www.wago.com/294-199)

## Downloads

## Documentation

## Bid Text

|          |              |                |          |
|----------|--------------|----------------|----------|
| 294-5002 | Oct 18, 2017 | DOC<br>27.6 kB | Download |
|----------|--------------|----------------|----------|

## smartDATA

## CAD data

|                      |     |          |
|----------------------|-----|----------|
| 3D Download 294-5002 | URL | Download |
|----------------------|-----|----------|

Subject to changes.