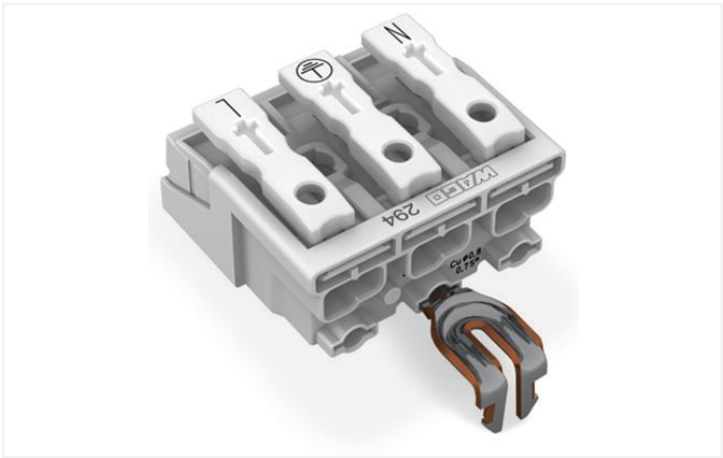


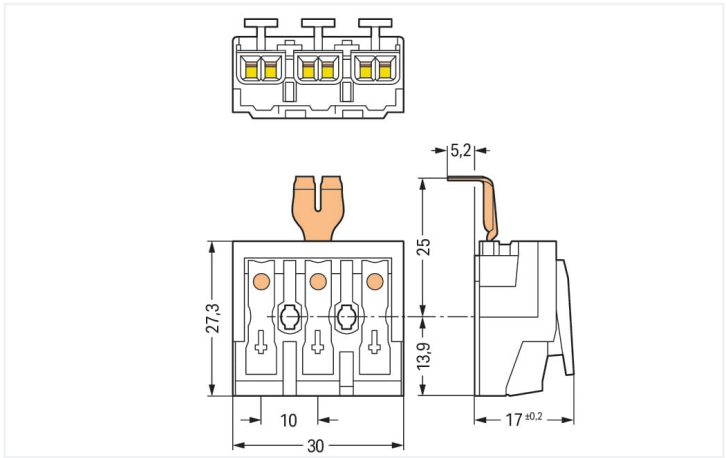
Data Sheet | Item Number: 294-4213

Lighting connector; push-button, external; with snap-in ground contact; N-PE-L; 3-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²; Surrounding air temperature: max 85°C (T85); 2,50 mm²; white

<https://www.wago.com/294-4213>



Color: white



Dimensions in mm

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

| Electrical data      |     |                  |       |                      |             |     |
|----------------------|-----|------------------|-------|----------------------|-------------|-----|
| Ratings per          |     | IEC/EN 60998-1   |       |                      | Ratings per |     |
|                      |     | IEC/EN 60998-2-2 |       |                      |             |     |
| Overvoltage category | III | III              | II    | Overvoltage category | III         | III |
| Pollution degree     | 3   | 2                | 2     | Pollution degree     | 3           | 2   |
| Nominal voltage      | -   | -                | 500 V | Nominal voltage      | -           | -   |
| Rated surge voltage  | -   | -                | 4 kV  | Rated surge voltage  | -           | -   |
| Rated current        | -   | -                | 24 A  | Rated current        | -           | -   |

| Connection data            |                    | Connection 1                                               |                                   |
|----------------------------|--------------------|------------------------------------------------------------|-----------------------------------|
| Connection points          | 15                 | Connection type 1                                          | External 1                        |
| Total number of potentials | 3                  | Connection technology                                      | Push-in CAGE CLAMP®               |
| Number of connection types | 4                  | Number of connection points                                | 2                                 |
| PE function                | Snap-in PE contact | Actuation type                                             | Push-button                       |
|                            |                    | Connectable conductor materials                            | Copper                            |
|                            |                    | Solid conductor                                            | 0.5 ... 2.5 mm² / 18 ... 12 AWG   |
|                            |                    | Solid conductor; push-in termination                       | 0.5 ... 2.5 mm² / 18 ... 12 AWG   |
|                            |                    | Stranded conductor                                         | 0.5 ... 2.5 mm² / 18 ... 14 AWG   |
|                            |                    | Fine-stranded conductor                                    | 0.5 ... 2.5 mm² / 18 ... 14 AWG   |
|                            |                    | Fine-stranded conductor; with insulated ferrule            | 0.5 ... 1.5 mm² / 18 ... 16 AWG   |
|                            |                    | Fine-stranded conductor; with uninsulated ferrule          | 0.5 ... 1.5 mm² / 18 ... 16 AWG   |
|                            |                    | Fine-stranded conductor; with ferrule; push-in termination | 0.5 mm² / 18 AWG                  |
|                            |                    | Strip length                                               | 8 ... 9 mm / 0.31 ... 0.35 inches |
|                            |                    | Pole number                                                | 3                                 |
|                            |                    | Wiring direction                                           | Side-entry wiring                 |



| Connection 2                                        |                                   |
|-----------------------------------------------------|-----------------------------------|
| Connection type 2                                   | Internal 2                        |
| Connection technology 2                             | PUSH WIRE®                        |
| Number of connection points 2                       | 1                                 |
| Actuation type 2                                    | Push-in                           |
| Solid conductor 2                                   | 0.5 ... 2.5 mm² / 18 ... 14 AWG   |
| Fine-stranded conductor; with insulated ferrule 2   | 0.5 ... 1 mm² / 18 ... 16 AWG     |
| Fine-stranded conductor; with uninsulated ferrule 2 | 0.5 ... 1.5 mm² / 18 ... 14 AWG   |
| Strip length 2                                      | 8 ... 9 mm / 0.31 ... 0.35 inches |

| Connection 4                  |                                   |
|-------------------------------|-----------------------------------|
| Connection type 4             | Internal 4                        |
| Connection technology 4       | PUSH WIRE®                        |
| Number of connection points 4 | 1                                 |
| Actuation type 4              | Push-in                           |
| Solid conductor 4             | 0.5 ... 0.75 mm² / 18 AWG         |
| Strip length 4                | 8 ... 9 mm / 0.31 ... 0.35 inches |

| Connection 3                                        |                                   |
|-----------------------------------------------------|-----------------------------------|
| Connection type 3                                   | Internal 3                        |
| Connection technology 3                             | PUSH WIRE®                        |
| Number of connection points 3                       | 1                                 |
| Actuation type 3                                    | Push-in                           |
| Solid conductor 3                                   | 0.5 ... 1.5 mm² / 18 ... 16 AWG   |
| Fine-stranded conductor; with insulated ferrule 3   | 0.5 ... 0.75 mm² / 18 AWG         |
| Fine-stranded conductor; with uninsulated ferrule 3 | 0.5 ... 1 mm² / 18 AWG            |
| Strip length 3                                      | 8 ... 9 mm / 0.31 ... 0.35 inches |

| Physical data           |  |                        |
|-------------------------|--|------------------------|
| Pin spacing             |  | 10 mm / 0.394 inches   |
| Width                   |  | 30 mm / 1.181 inches   |
| Height from the surface |  | 17 mm / 0.669 inches   |
| Depth                   |  | 27.3 mm / 1.075 inches |

| Mechanical data |  |                               |
|-----------------|--|-------------------------------|
| Marking         |  | N- -L                         |
| Mounting type   |  | without snap-in mounting feet |

| Material data               |  |                                                                                                                        |
|-----------------------------|--|------------------------------------------------------------------------------------------------------------------------|
| Note (material data)        |  | <a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                       |  | white                                                                                                                  |
| Material group              |  | IIIa                                                                                                                   |
| Insulation material         |  | Polycarbonate (PC)                                                                                                     |
| Flammability class per UL94 |  | V0                                                                                                                     |
| Clamping spring material    |  | Chrome-nickel spring steel (CrNi)                                                                                      |
| Contact material            |  | Electrolytic copper (E <sub>Cu</sub> )                                                                                 |
| Contact plating             |  | Tin                                                                                                                    |
| Fire load                   |  | 0.182 MJ                                                                                                               |
| Halogen-free                |  | Yes                                                                                                                    |
| Weight                      |  | 10.2 g                                                                                                                 |



| Environmental requirements                |                                                                                                                                              |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Temperature stability                     | 120 °C                                                                                                                                       |
| T marking                                 | T85                                                                                                                                          |
| Commercial data                           |                                                                                                                                              |
| Product Group                             | 8 (Misc. Chassis Mount Blocks)                                                                                                               |
| eCl@ss 10.0                               | 27-14-11-06                                                                                                                                  |
| eCl@ss 9.0                                | 27-14-11-06                                                                                                                                  |
| ETIM 8.0                                  | EC001284                                                                                                                                     |
| ETIM 7.0                                  | EC001284                                                                                                                                     |
| PU (SPU)                                  | 500 pcs                                                                                                                                      |
| Packaging type                            | Bag                                                                                                                                          |
| Country of origin                         | PL                                                                                                                                           |
| GTIN                                      | 4050821097846                                                                                                                                |
| Customs tariff number                     | 85369010000                                                                                                                                  |
| Environmental Product Compliance          |                                                                                                                                              |
| CAS-No.                                   | 131651-65-5<br>144317-44-2<br>220133-51-7<br>220689-12-3<br>25628-08-4<br>29420-49-3<br>375-73-5<br>503155-89-3<br>507453-86-3<br>68259-10-9 |
| REACH Candidate List Substance            | Perfluorobutane sulfonic acid (PFBS) and its salts                                                                                           |
| RoHS Compliance Status                    | Compliant,With Exemption                                                                                                                     |
| RoHS Exemption                            | 6(c)<br>7(a)<br>7(c)-I<br>7(c)-II                                                                                                            |
| SCIP notification number (Austria)        | 759d82d3-d3f4-474f-84e2-6748da0e5a7c                                                                                                         |
| SCIP notification number (Belgium)        | d4bdadd8-0270-440c-9936-2d33fbf75d9e                                                                                                         |
| SCIP notification number (Bulgaria)       | b9cda8ea-87cb-4954-8583-a11fe1d1780e                                                                                                         |
| SCIP notification number (Czech Republic) | 1c30fa2f-b41a-4b3a-8fe4-0d44008d2bc5                                                                                                         |
| SCIP notification number (Denmark)        | 595b0dcf-232a-4bec-a26f-b6ead9da95d9                                                                                                         |
| SCIP notification number (Finland)        | 484116e1-acde-41e4-b10f-356805890cb3                                                                                                         |
| SCIP notification number (France)         | 84622264-cab6-4c46-bb2c-c07d47a98145                                                                                                         |
| SCIP notification number (Germany)        | b247a3db-87b4-48bd-a779-83e96be89e69                                                                                                         |
| SCIP notification number (Hungary)        | a440ec58-96a1-4f34-b338-98622ff863b2                                                                                                         |
| SCIP notification number (Italy)          | fd033d70-c4d2-4e06-b6a2-2dbcaf7c3ba4                                                                                                         |
| SCIP notification number (Netherlands)    | d9fbfa20-1967-41c5-9c34-32971d4d77b9                                                                                                         |
| SCIP notification number (Poland)         | 0bc0152f-ec5e-412f-922b-ded8ca273342                                                                                                         |
| SCIP notification number (Romania)        | bd32a65e-1b6c-446c-b5b1-8444cc253a4c                                                                                                         |
| SCIP notification number (Sweden)         | 473035e1-f8a3-4911-baa9-cc49c72e6b61                                                                                                         |



Approvals / Certificates

General approvals



| Approval                            | Standard | Certificate Name |
|-------------------------------------|----------|------------------|
| ENEC 05<br>DEKRA Certification B.V. | EN 60998 | 2128791.01       |

Declarations of conformity and manufacturer's declarations

| Approval                                                | Standard | Certificate Name |
|---------------------------------------------------------|----------|------------------|
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |
| UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |

Downloads

Environmental Product Compliance

| Compliance Search                            |
|----------------------------------------------|
| Environmental Product<br>Compliance 294-4213 |



Documentation

| Additional Information |
|------------------------|
| Technical Section      |

pdf  
2240.62 KB



| Bid Text        |
|-----------------|
| 294-4213        |
| 19.02.2019      |
| xml<br>5.58 KB  |
| 294-4213        |
| 13.06.2017      |
| doc<br>28.00 KB |



CAD/CAE-Data

| CAD data                 |
|--------------------------|
| 2D/3D Models<br>294-4213 |



| CAE data                   |
|----------------------------|
| WSCAD Universe<br>294-4213 |
| ZUKEN Portal<br>294-4213   |



1 Compatible Products

1.1 Optional Accessories

1.1.1 Strain relief

1.1.1.1 Strain relief



[Item No.: 294-370](#)  
Strain relief; for 294 Series; with snap-in  
mounting feet; white



[Item No.: 294-375](#)  
Strain relief; for 294 Series; without snap-  
in mounting feet; white



Strain relief plate; for 294 Series; for multi-core cables; 3- to 5-pole; with secured clamp; white



Strain relief plate; for 294 Series; for single strands; 3- to 5-pole; with secured clamp; white

### 1.1.2 Tool

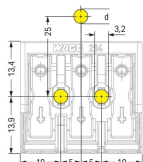
### 1.1.2.2 Operating tool



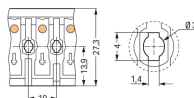
Disconnection tool; green

## Installation Notes

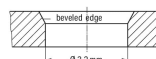
## Installation



3-pole – with snap-in ground contact, d = 4.9 mm

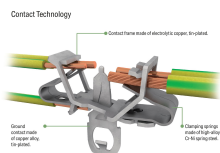


Mounting hole for screw  
**Notice:** The maximum thread diameter for self-tapping screws is 3 mm.



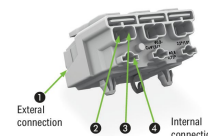
Hole for screw mount  
**Notice:** The maximum thread diameter for self-tapping screws is 3 mm.

## Conductor termination



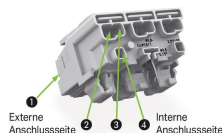
|                                    |
|------------------------------------|
| <b>EUROPE</b>                      |
| 1x 0.5 ... 2.5 mm <sup>2</sup> *s  |
| 1x 0.5 ... 1.5 mm <sup>2</sup> *s  |
| 1x 0.5 ... 0.75 mm <sup>2</sup> *s |
| <b>AMERICA</b>                     |
| 1x AWG 18 ... 14 "s                |
| 1x AWG 18 ... 16 "s                |
| 1x AWG 18 "s                       |
| <b>JAPAN</b>                       |
| 1x 0.8 ... 1.6 mm diam. *s         |
| 1x 0.8 ... 1 mm diam. "s           |
| 1x 0.8 mm diam. "s                 |

|                                                |
|------------------------------------------------|
| EUROPE                                         |
| 2 x 0.5 ... 2.5 mm <sup>2</sup> s, str, f-str* |
| AMERICA                                        |
| 2 x AWG 18 ... 12 "s"                          |
| 2 x AWG 18 ... 14 "s, f-str*                   |
| JAPAN                                          |
| 2 x 0.8 ... 2 mm diam. "s"                     |
| 2 x 0.5 ... 2 mm <sup>2</sup> str, f-str*      |



**Internal connection:**  
PUSH WIRE® for internal wiring with solid conductors

**External connection:**  
Push-in CAGE CLAMP® for field-wiring  
with all conductor types



Terminating five conductors per pole – solid and fine-stranded.

