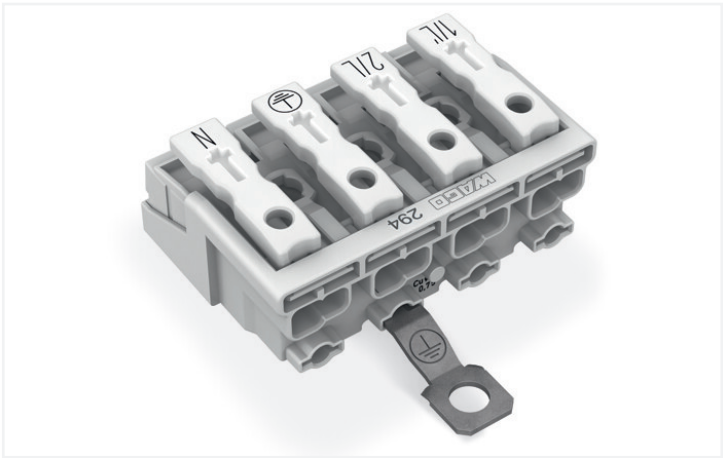


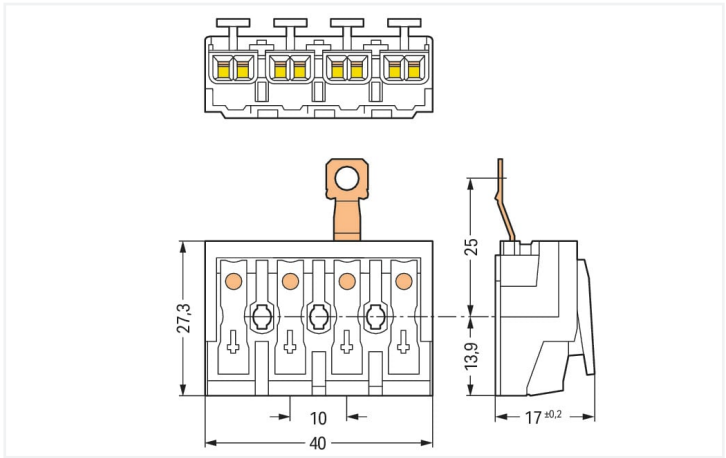
Data Sheet | Item Number: 294-4424

Lighting connector; push-button, external; with screw-type ground contact; 4-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/294-4424>



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          | 20                    | Connection type 1                                          | External 1                        |
| Total number of potentials | 4                     | Connection technology                                      | Push-in CAGE CLAMP®               |
| Number of connection types | 4                     | Number of connection points                                | 2                                 |
| PE function                | Screw-type 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                                                | 4                                 |
|                            |                       | 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 |

| Physical data           |  |                        |
|-------------------------|--|------------------------|
| Pin spacing             |  | 10 mm / 0.394 inches   |
| Width                   |  | 40 mm / 1.575 inches   |
| Height from the surface |  | 17 mm / 0.669 inches   |
| Depth                   |  | 27.3 mm / 1.075 inches |

| Mechanical data |  |                               |
|-----------------|--|-------------------------------|
| Marking         |  | 1/L´-2/L--N                   |
| 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                   |  | 0.24 MJ                                                                                                                |
| Halogen-free                |  | Yes                                                                                                                    |
| Weight                      |  | 12.8 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                                      | 4050821098089                                                                                                                                |
| 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)        | d1cc0558-5200-4339-96c5-0c6d02bd38a2                                                                                                         |
| SCIP notification number (Belgium)        | 7a2469cf-ee53-42b6-ba93-19a2d6e24712                                                                                                         |
| SCIP notification number (Bulgaria)       | 26e22b25-41f6-45e0-a548-a77c7f08f9f6                                                                                                         |
| SCIP notification number (Czech Republic) | dfff3e6e-3344-455f-8af9-d1c03c6f877c                                                                                                         |
| SCIP notification number (Denmark)        | 9d526324-0cfe-4c41-86fb-85c138aa85d3                                                                                                         |
| SCIP notification number (Finland)        | cf12b857-4293-4e6c-97d5-06d2ddf53639                                                                                                         |
| SCIP notification number (France)         | 26ce8de8-2305-4e19-80e9-ff0712fb5b7b                                                                                                         |
| SCIP notification number (Germany)        | 046448e2-cf7a-408b-adab-34ffc853fff6                                                                                                         |
| SCIP notification number (Hungary)        | 4a5d3720-b63c-4b0d-ad56-4f6e9bd7aa85                                                                                                         |
| SCIP notification number (Italy)          | 8f0b79f9-f9ac-4b24-8129-580bf7fd0089                                                                                                         |
| SCIP notification number (Netherlands)    | 672f478b-4597-44e1-8979-219b18e81a42                                                                                                         |
| SCIP notification number (Poland)         | 833c6a90-a0d4-4e96-9e7f-cff054ec1569                                                                                                         |
| SCIP notification number (Romania)        | 669bf22-743e-4cb6-89c9-674b1fcbdbc5                                                                                                          |
| SCIP notification number (Sweden)         | d685294e-5775-463a-bbaa-df560e9e1256                                                                                                         |



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 294-4424 |



Documentation

| Additional Information |
|------------------------|
| Technical Section      |
| pdf<br>2240.62 KB      |



| Bid Text        |
|-----------------|
| 294-4424        |
| 19.02.2019      |
| xml<br>5.59 KB  |
| 294-4424        |
| 13.06.2017      |
| doc<br>28.00 KB |



CAD/CAE-Data

| CAD data                 |
|--------------------------|
| 2D/3D Models<br>294-4424 |



| CAE data                   |
|----------------------------|
| WSCAD Universe<br>294-4424 |
| ZUKEN Portal<br>294-4424   |



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

### 1.1.1.2 Strain relief plate



Item No.: 294-364

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



Item No.: 294-384

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

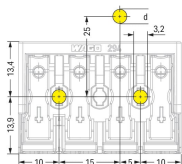


Item No.: 206-294

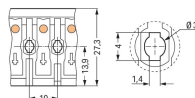
Disconnection tool; green

## Installation Notes

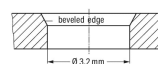
## Installation



4-pole – with screw-type ground contact,  
d ≤ 4.1 mm

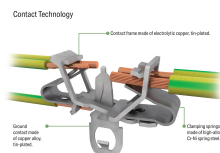


Mounting hole for screw  
**Notice:** The maximum thread diameter for self-tapping screws is 3 mm.



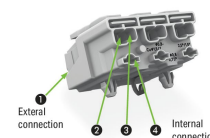
Hole for screw mount  
**Notice:** The maximum thread diameter for self-tapping screws is 3 mm.

## Conductor termination



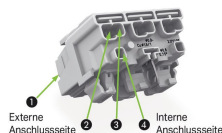
|                                     |
|-------------------------------------|
| <b>EUROPE</b>                       |
| 1x 0.5 ... 2.5 mm <sup>2</sup> "s"  |
| 1x 0.5 ... 1.5 mm <sup>2</sup> "s"  |
| 1x 0.5 ... 0.75 mm <sup>2</sup> "s" |
| <b>AMERICA</b>                      |
| 1x AWG 18 ... 14 "s"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

