

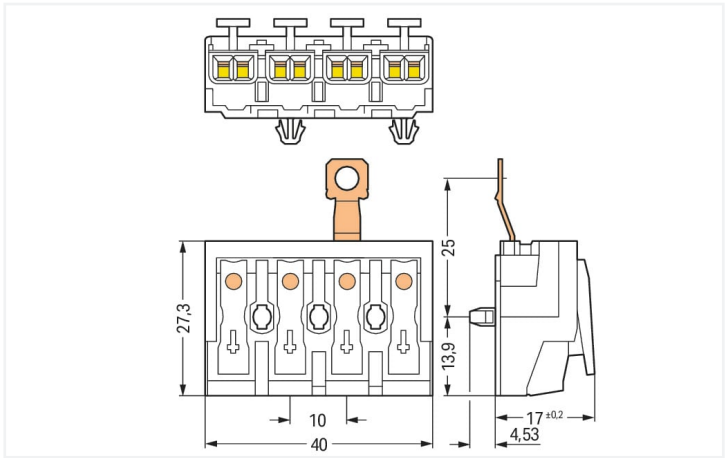
Data Sheet | Item Number: 294-5424

Lighting connector; push-button, external; with screw-type ground contact; 1/L ´ -2/  
L-PE-N; 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/294-5424>



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 |

| 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                   |  | 40 mm / 1.575 inches    |
| Height                  |  | 21.53 mm / 0.848 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   | Snap-in foot   |

| 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              | IIa                                                                                                                    |
| 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                   | 0.242 MJ                                                                                                               |
| Halogen-free                | Yes                                                                                                                    |
| Weight                      | 12.9 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                  | 4050821098607                  |
| 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)        | 88d2a5c8-6675-4362-b058-9c5bcc78ffc0                                                                                                         |
| SCIP notification number (Belgium)        | 8175e678-f651-4339-9bd3-8165ce0a6858                                                                                                         |
| SCIP notification number (Bulgaria)       | 42d77be3-f10b-4bea-8e20-a7eb65c27ff4                                                                                                         |
| SCIP notification number (Czech Republic) | 99ff286b-4235-4146-9b2e-869fec732a6e                                                                                                         |
| SCIP notification number (Denmark)        | 5e5d2721-876d-4848-9fbb-c09209fd5c09                                                                                                         |
| SCIP notification number (Finland)        | 44792499-4ad1-400f-a957-7b853af1fbd0                                                                                                         |
| SCIP notification number (France)         | fedb3746-c912-4ea2-8ec9-fcd23f962460                                                                                                         |
| SCIP notification number (Germany)        | 08a66169-a627-4ac3-86eb-0caeb55fca64                                                                                                         |
| SCIP notification number (Hungary)        | 25d812db-1e8c-4663-be7c-de74ff2cd58d                                                                                                         |
| SCIP notification number (Italy)          | bb0fe6e0-00a5-4d43-9679-624ac12febeb                                                                                                         |
| SCIP notification number (Netherlands)    | 851a2345-8df5-4155-a3a8-9cb58860bfbf                                                                                                         |
| SCIP notification number (Poland)         | 852b8605-af33-4e50-8f13-2f51e191d57b                                                                                                         |
| SCIP notification number (Romania)        | 394c779b-5928-4ee3-a01e-8fbef23fdb42                                                                                                         |
| SCIP notification number (Sweden)         | b59fbee0-1361-4711-a6f5-e0772b8b0503                                                                                                         |



Approvals / Certificates

General approvals

Declarations of conformity and manufacturer's declarations



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

| 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  
Compliance 294-5424

↓

| Documentation          |                   |                 |            |
|------------------------|-------------------|-----------------|------------|
| Additional Information |                   | Bid Text        |            |
| Technical Section      | pdf<br>2240.62 KB | 294-5424        | 13.06.2017 |
|                        | ↓                 | 294-5424        | 19.02.2019 |
|                        |                   | doc<br>28.00 KB | ↓          |
|                        |                   | xml<br>5.59 KB  | ↓          |

| CAD/CAE-Data             |                            |
|--------------------------|----------------------------|
| CAD data                 | CAE data                   |
| 2D/3D Models<br>294-5424 | WSCAD Universe<br>294-5424 |
| ↓                        | ↓                          |
|                          | ZUKEN Portal<br>294-5424   |
|                          | ↓                          |

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

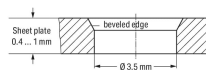
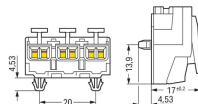
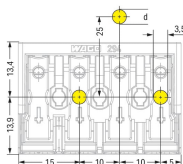


Item No.: 206-294

Disconnection tool; green

## Installation Notes

## Installation

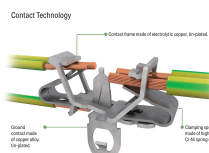


4-pole – with screw-type ground contact,  
d ≤ 4.1 mm

### Snap-in foot

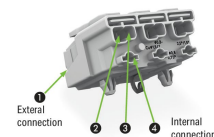
Drilled hole for snap-in mounting foot

## 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"                 |

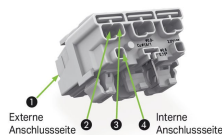
|                                                |
|------------------------------------------------|
| EUROPE                                         |
| 2 x 0.5 ... 2.5 mm <sup>2</sup> s, str, f-str* |
| AMERICA                                        |
| 2 x AWG 18 ... 12 "s"                      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



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

**Internal connection:**

**PUSH WIRE®** for internal wiring with solid conductors



**External connection:**

Push-in CAGE CLAMP® for field-wiring  
with all conductor types

