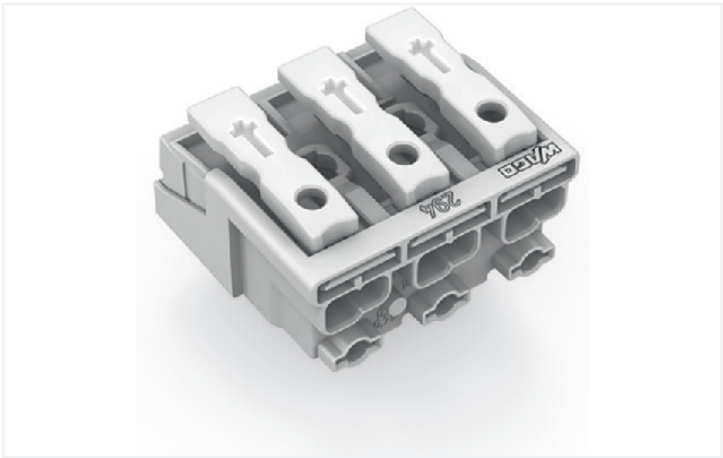


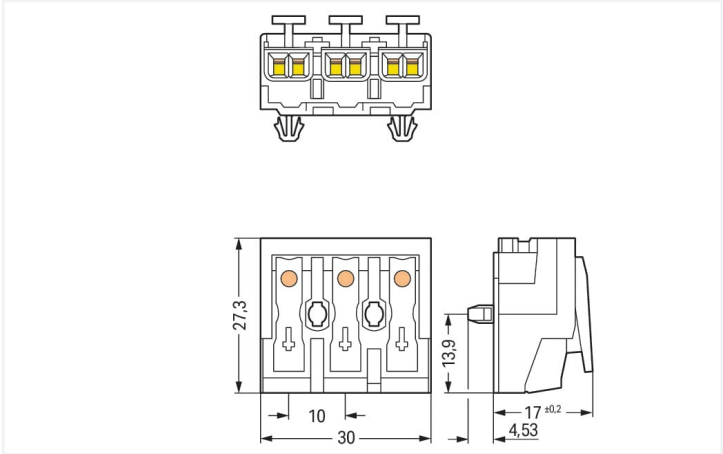
Data Sheet | Item Number: 294-5003

Lighting connector; push-button, external; without ground contact; 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/294-5003>



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 points          | 15                 |
| Total number of potentials | 3                  |
| Number of connection types | 4                  |
| PE function                | without PE contact |

### Connection 1

|                                                            |                                   |
|------------------------------------------------------------|-----------------------------------|
| Connection type 1                                          | External 1                        |
| Connection technology                                      | Push-in CAGE CLAMP®               |
| Number of connection points                                | 2                                 |
| 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 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 |

### 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                   | 30 mm / 1.181 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         | plain        |
| 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              | 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                   | 0.183 MJ                                                                                                               |
| Halogen-free                | Yes                                                                                                                    |
| Weight                      | 9.2 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        | Foil                           |
| Country of origin     | CH                             |
| GTIN                  | 4050821020745                  |
| 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)        | 793275fa-1f74-43ae-868e-98fdb87ff0f7                                                                                                         |
| SCIP notification number (Belgium)        | 2dfccb15-27d8-4028-97dc-79a9ffdf8608                                                                                                         |
| SCIP notification number (Bulgaria)       | ed6e88f1-12b6-4a1b-8fa9-63220f8f2e95                                                                                                         |
| SCIP notification number (Czech Republic) | 77338b18-1a0e-45a1-9e70-e1922553e558                                                                                                         |
| SCIP notification number (Denmark)        | 678805f4-b99e-44a5-8d31-b7a1839e2574                                                                                                         |
| SCIP notification number (Finland)        | a94e5958-1bd5-4382-b2ff-a5ab87beab89                                                                                                         |



| Environmental Product Compliance       |                                      |
|----------------------------------------|--------------------------------------|
| SCIP notification number (France)      | 81d0773b-6afd-4140-b4da-e3a8c1a3753a |
| SCIP notification number (Germany)     | f50eb575-56fe-4181-b628-ad57d041c045 |
| SCIP notification number (Hungary)     | 492d9563-08db-4268-b9f1-1259159cbddb |
| SCIP notification number (Italy)       | cc397c41-21b7-4880-ac73-c6060e62efc5 |
| SCIP notification number (Netherlands) | e7e9f636-0fd3-4a02-bf89-78068efc77f8 |
| SCIP notification number (Poland)      | 6f1297c0-557a-4a7a-a422-63ee3a69a6bd |
| SCIP notification number (Romania)     | 094db045-80d6-4884-ad1d-11d33339437f |
| SCIP notification number (Sweden)      | 474e4afd-0223-48d8-968d-8bbf49248f75 |

| 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                                                 |
|                                                                                  |          | 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 294-5003 |  |

| Documentation          |                   |          |                               |
|------------------------|-------------------|----------|-------------------------------|
| Additional Information |                   | Bid Text |                               |
| Technical Section      | pdf<br>2240.62 KB | 294-5003 | 19.02.2019<br>xml<br>5.57 KB  |
|                        |                   | 294-5003 | 13.06.2017<br>doc<br>27.00 KB |

| CAD/CAE-Data             |                            |
|--------------------------|----------------------------|
| CAD data                 | CAE data                   |
| 2D/3D Models<br>294-5003 | WSCAD Universe<br>294-5003 |
|                          | ZUKEN Portal<br>294-5003   |

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

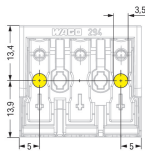
1.1.2.2 Operating tool



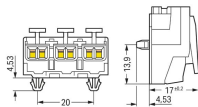
**Item No.: 206-294**  
Disconnection tool; green

Installation Notes

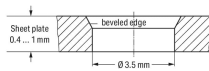
Installation



3-pole – without ground contact

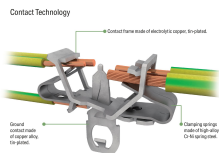


Snap-in foot



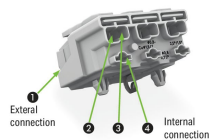
Drilled hole for snap-in mounting foot

Conductor termination



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

