

**Data sheet | Item number: 294-4214**

Lighting connector; push-button, external; with snap-in ground contact; 4-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm<sup>2</sup>; Surrounding air temperature: max 85°C (T85); 2,50 mm<sup>2</sup>; white

[www.wago.com/294-4214](http://www.wago.com/294-4214)



Color:

**Item description**

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

Subject to changes. Please also observe the further product documentation!

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- Strain relief plate can be retrofitted

## Data

### Electrical data

#### Ratings per IEC/EN

|                            |  |
|----------------------------|--|
| Ratings per                | IEC/EN 60998-1   |
| Ratings (note)             | Connection points  |
| Nominal voltage (II/2)     | 500 V  |
| Rated surge voltage (II/2) | 4 kV   |
| Rated current              | 24 A   |
| Legend (ratings)           | (II / 2) $\triangleq$ Overvoltage category II / Pollution degree 2 |

#### Ratings per IEC/EN 2

|                              |                   |
|------------------------------|-------------------|
| Ratings per 2                | IEC/EN 60998-2-2  |
| Ratings (note) 2             | Connection points |
| Rated voltage (II/2) 2       | 500 V             |
| Rated surge voltage (II/2) 2 | 4 kV              |
| Rated current 2              | 24 A              |

### Connection data

|                            |                    |
|----------------------------|--------------------|
| Connection points          | 20                 |
| Total number of potentials | 4                  |
| Number of connection types | 4                  |
| PE function                | Snap-in 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 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 |

Subject to changes. Please also observe the further product documentation!



|  |   |
|--|---|
| Fine-stranded conductor; with insulated ferrule            | 0.5 ... 1.5 mm <sup>2</sup> / 18 ... 16 AWG |
| Fine-stranded conductor; with uninsulated ferrule          | 0.5 ... 1.5 mm <sup>2</sup> / 18 ... 16 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 0.5 mm <sup>2</sup> / 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 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 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 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          |
| 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 mm <sup>2</sup> / 18 AWG |
| Strip length 4                | 8 ... 9 mm / 0.31 ... 0.35 inches     |

Subject to changes. Please also observe the further product documentation!



## 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       | 1-2- $\frac{1}{2}$ -N         |
| Mounting type | Without snap-in mounting feet |

## Material Data

|                             |  |
|-----------------------------|--|
| Note (material data)        | Information on material specifications can be found here |
| 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                      | 13.2 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                       |

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|                       |               |
|-----------------------|---------------|
| PU (SPU)              | 500 pcs       |
| Packaging type        | bag           |
| Country of origin     | PL            |
| GTIN                  | 4050821097853 |
| 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)        | ef2fa8a1-cb3e-4544-bc9f-e626f3a7502c   |
| SCIP notification number (Belgium)        | db287f4d-5587-4e3e-8acb-c52b7f0789cc   |
| SCIP notification number (Bulgaria)       | c61f05ec-da43-44ac-871c-1ee98029bfed   |
| SCIP notification number (Czech Republic) | 5ef660cc-426a-46fb-9303-93ec4b520bf7   |
| SCIP notification number (Denmark)        | 123c5594-5116-48b2-ba83-6d2a99ba109b   |
| SCIP notification number (Finland)        | e6055f42-1cf7-4494-bec3-960b14f25b1b   |
| SCIP notification number (France)         | 9c897da2-7d31-4155-af12-31a2d4fa8059   |
| SCIP notification number (Germany)        | b796d8d2-4b54-4a17-98e4-3321a5afebf8   |
| SCIP notification number (Hungary)        | e5297cfd-32a9-4f83-8380-9d727ae709ab   |
| SCIP notification number (Italy)          | dfd9e26b-e5ef-4723-9ce3-616593d34a80   |
| SCIP notification number (Netherlands)    | ef4c56d6-a7b7-42b6-ad87-a3531f662a2e   |
| SCIP notification number (Poland)         | b33e9158-f29c-4c09-86cc-043b6f0839c9   |
| SCIP notification number (Romania)        | e276c332-687e-4e04-86ce-d9abc82565ac   |
| SCIP notification number (Sweden)         | 75e1200e-097d-4c02-8529-432d44d0f45a   |

## Approvals / Certificates

### General approvals

Subject to changes. Please also observe the further product documentation!

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| Logo | Approval                            | Additional Approval Text | Certificate name |
|------|-------------------------------------|--------------------------|------------------|
|      | ENEC 05<br>DEKRA Certification B.V. | EN 60998                 | 2128791.01       |

#### Declarations of conformity and manufacturer's declarations

| Logo | Approval  | Additional Approval Text | Certificate name |
|------|---|--------------------------|------------------|
|      | <b>EU-Declaration of Conformity</b><br>WAGO GmbH & Co. KG | -                        | -                |
|      | <b>UK-Declaration of Conformity</b><br>WAGO GmbH & Co. KG | -                        | -                |

#### Optional accessories

##### Strain relief

| Strain relief            |   |  |
|--------------------------|---|--|
| <b>Item no.: 294-370</b> | Strain relief; for 294 Series; with snap-in mounting feet; white    | <a href="http://www.wago.com/294-370">www.wago.com/294-370</a> |
| <b>Item no.: 294-375</b> | Strain relief; for 294 Series; without snap-in mounting feet; white | <a href="http://www.wago.com/294-375">www.wago.com/294-375</a> |

| Strain relief plate      |  |  |
|--------------------------|--|--|
| <b>Item no.: 294-364</b> | Strain relief plate; for 294 Series; for multicore cables; 3- to 5-pole; with secured clamp; white | <a href="http://www.wago.com/294-364">www.wago.com/294-364</a> |
| <b>Item no.: 294-384</b> | Strain relief plate; for 294 Series; for single strands; 3- to 5-pole; with secured clamp; white   | <a href="http://www.wago.com/294-384">www.wago.com/294-384</a> |

| Tool                     |                           |  |
|--------------------------|---------------------------|--|
| Operating tool           |                           |  |
| <b>Item no.: 206-294</b> | Disconnection tool; green | <a href="http://www.wago.com/206-294">www.wago.com/206-294</a> |

#### Downloads

##### Documentation

##### Bid Text

|                         |              |                |          |
|-------------------------|--------------|----------------|----------|
| 294-4214<br>X81 - Datei | 2019 年2月19 日 | xml<br>5.7 kB  | Download |
| 294-4214<br>doc - Datei | 2017 年6月13 日 | doc<br>28.7 kB | Download |

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### Additional Information

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### CAD/CAE-Data

#### CAD data

2D/3D Models 294-4214      URL      Download

#### CAE data

WSCAD Universe 294-4214      URL      Download

ZUKEN Portal 294-4214      URL      Download

### Environmental Product Compliance

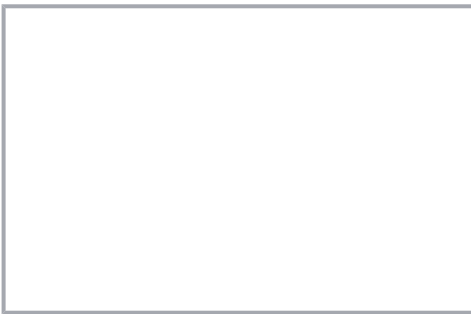
#### Compliance Search

Environmental Product Compliance 294-4214      URL      Download

Lighting connector; push-button, external; with snap-in ground contact; 4-pole;  
Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm<sup>2</sup>;  
Surrounding air temperature: max 85°C (T85); 2,50 mm<sup>2</sup>; white

### Installation Notes

#### Installation



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

Subject to changes. Please also observe the further product documentation!



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



#### Internal connection:

PUSH WIRE® for internal wiring with solid conductors



#### External connection:

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

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Subject to changes. Please also observe the further product documentation!





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



Subject to changes. Please also observe the further product documentation!