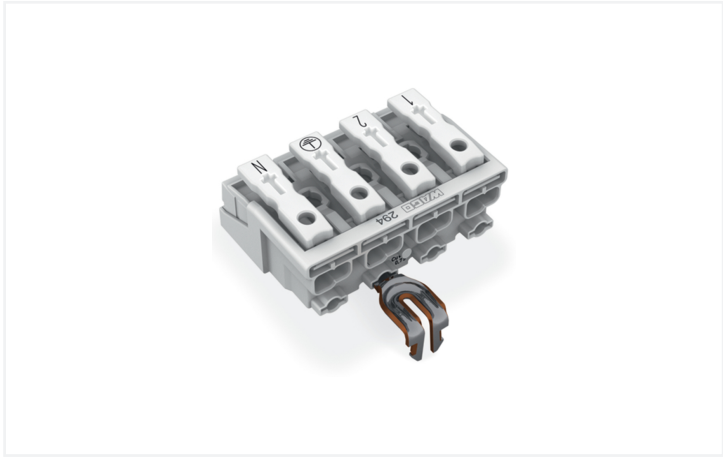


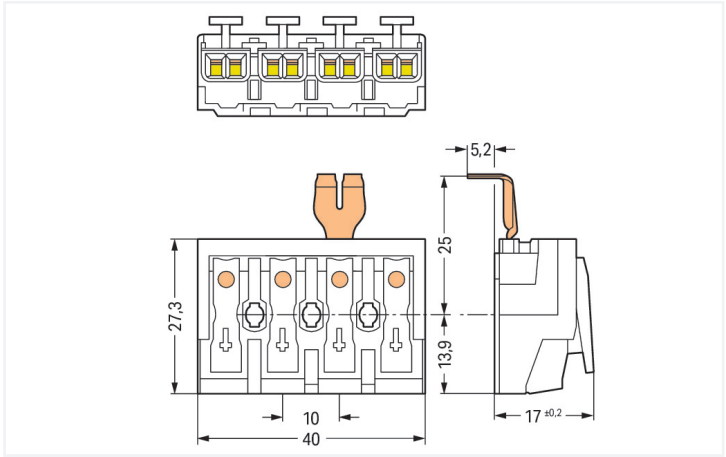
**Data Sheet | Item Number: 294-4214**

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); white

<https://www.wago.com/294-4214>



Color:  white



Dimensions in mm

Field-wiring terminal block, 294 Series, white

This field-wiring terminal block (item number 294-4214) streamlines wire connections, making them both quick and easy. Strip lengths must be between 8 and 9 mm when connecting conductors to this field-wiring terminal block. This product incorporates four conductor terminals and utilizes Push-in CAGE CLAMP® and PUSH WIRE®. Push-in CAGE CLAMP® technology provides a universal connection solution for all conductor types. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. Our reliable PUSH WIRE® connection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. Dimensions: (40 x 17 x 27.3) mm (width x height x depth). This field-wiring terminal block is suitable for conductor cross sections ranging from 0.5 mm<sup>2</sup> to 2.5 mm<sup>2</sup> on one side and for conductor cross sections ranging from 0.5 mm<sup>2</sup> to 2.5 mm<sup>2</sup> on the other side as well as conductor cross sections from 0.5 mm<sup>2</sup> to 2.5 mm<sup>2</sup> and from 0.5 mm<sup>2</sup> to 0.75 mm<sup>2</sup> depending on the conductor type.

The contact surface is coated with tin.

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

| Ratings per IEC/EN – Notes |                   |
|----------------------------|-------------------|
| Ratings (note)             | Connection points |

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

| General information |                   |
|---------------------|-------------------|
| Wiring direction    | Side-entry wiring |



Connection Data

|                            |                    |
|----------------------------|--------------------|
| Clamping units             | 20                 |
| Total number of potentials | 4                  |
| Number of connection types | 4                  |
| PE function                | Snap-in PE contact |

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

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

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

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

| Mechanical data |  |                               |
|-----------------|--|-------------------------------|
| Marking         |  | 1-2-Ⓢ-N                       |
| Mounting type   |  | without snap-in mounting feet |

| Material data                      |  |                                                                          |
|------------------------------------|--|--------------------------------------------------------------------------|
| Note (material data)               |  | <a href="#">Information on material specifications can be found here</a> |
| Color                              |  | white                                                                    |
| Material group                     |  | IIIa                                                                     |
| Insulation material (main housing) |  | 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                          |  | 0.184 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) |
| PU (SPU)              |  | 500 pcs                        |
| Packaging type        |  | Bag                            |
| Country of origin     |  | PL                             |
| GTIN                  |  | 4050821097853                  |
| Customs tariff number |  | 85369010000                    |

| Product Classification |  |                      |
|------------------------|--|----------------------|
| UNSPSC                 |  | 39121409             |
| eCl@ss 10.0            |  | 27-14-11-06          |
| eCl@ss 9.0             |  | 27-14-11-06          |
| ETIM 9.0               |  | EC001284             |
| ETIM 10.0              |  | EC001284             |
| ECCN                   |  | NO US CLASSIFICATION |

| Environmental Product Compliance          |  |                                      |
|-------------------------------------------|--|--------------------------------------|
| RoHS Compliance Status                    |  | Compliant, No Exemption              |
| 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 |

| Environmental Product Compliance  |                                      |
|-----------------------------------|--------------------------------------|
| SCIP notification number (Sweden) | 75e1200e-097d-4c02-8529-432d44d0f45a |

Approvals / Certificates

| General approvals                                                                |          |                  | Declarations of conformity and manufacturer's declarations |          |                  |
|----------------------------------------------------------------------------------|----------|------------------|------------------------------------------------------------|----------|------------------|
|  |          |                  |                                                            |          |                  |
| Approval                                                                         | Standard | Certificate Name | Approval                                                   | Standard | Certificate Name |
| ENEC 05<br>DEKRA Certification B.V.                                              | EN 60998 | 2128791.01       | EU-Declaration of Conformity<br>WAGO GmbH & Co. KG         | -        | -                |
|                                                                                  |          |                  | UK-Declaration of Conformity<br>WAGO GmbH & Co. KG         | -        | -                |

Downloads

| Environmental Product Compliance          |                                                                                   |
|-------------------------------------------|-----------------------------------------------------------------------------------|
| Compliance Search                         |                                                                                   |
| Environmental Product Compliance 294-4214 |  |

Documentation

| Bid Text |            |                 |                                                                                     |
|----------|------------|-----------------|-------------------------------------------------------------------------------------|
| 294-4214 | 19.02.2019 | xml<br>5.58 KB  |  |
| 294-4214 | 13.06.2017 | doc<br>28.00 KB |  |

CAD/CAE-Data

| CAD data              |                                                                                     | CAE data                |                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------|
| 2D/3D Models 294-4214 |  | WSCAD Universe 294-4214 |  |
|                       |                                                                                     | ZUKEN Portal 294-4214   |  |

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 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

Contact Technology

- Contact frame made of electrical copper, tin-plated
- Contact pins made of electrical copper, tin-plated
- Contact pins made of electrical copper, tin-plated
- Contact pins made of electrical copper, tin-plated

| 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" |

External connection

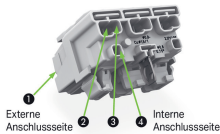
Internal connection

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

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



Conductor termination



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

