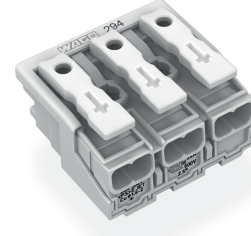
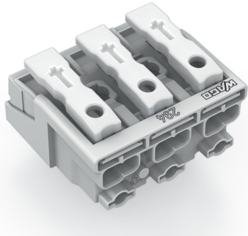


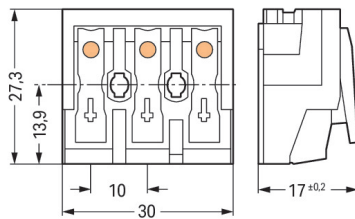
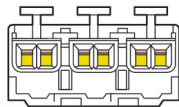
## Data Sheet | Item Number: 294-4003

Lighting connector; push-button, external; without ground contact; 3-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/294-4003>



Color: ■ white



Dimensions in mm

Field-wiring terminal block, 294 Series, with 10 mm pin spacing

Connecting conductors is quick and easy with this field-wiring terminal block (item number 294-4003). Strip lengths must be between 8 and 9 mm when connecting conductors to this field-wiring terminal block. Featuring four conductor terminals along with Push-in CAGE CLAMP® as well as PUSH WIRE®, this connector is highly versatile. Push-in CAGE CLAMP® technology provides a universal connection solution for any type of conductor. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. Our trusted 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: (30 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             | 15                 |
| Total number of potentials | 3                  |
| Number of connection types | 4                  |
| PE function                | without 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 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                                 |

| 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 ferrule   | 0.5 ... 1 mm² / 18 ... 16 AWG     |
| Fine-stranded conductor; with uninsulated 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 ferrule   | 0.5 ... 0.75 mm² / 18 AWG         |
| Fine-stranded conductor; with uninsulated 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         |  | 30 mm / 1.181 inches   |
| Height        |  | 17 mm / 0.669 inches   |
| Depth         |  | 27.3 mm / 1.075 inches |

| Mechanical data |  |                               |
|-----------------|--|-------------------------------|
| Marking         |  | plain                         |
| 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                          |  | 0.138 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) |
| PU (SPU)              |  | 500 pcs                        |
| Packaging type        |  | Foil                           |
| Country of origin     |  | CH                             |
| GTIN                  |  | 4050821097600                  |
| 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 |

| 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    | -        | -                |

## Environmental Product Compliance

Environmental Product  
Compliance 294-4003



| Bid Text |            |                 |                   |
|----------|------------|-----------------|-------------------|
| 294-4003 | 19.02.2019 | xml<br>5.57 KB  | <a href="#">↓</a> |
| 294-4003 | 13.06.2017 | doc<br>27.00 KB | <a href="#">↓</a> |



| CAD/CAE-Data             |                            |
|--------------------------|----------------------------|
| CAD data                 | CAE data                   |
| 2D/3D Models<br>294-4003 | WSCAD Universe<br>294-4003 |
|                          | ZUKEN Portal<br>294-4003   |

| 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                                                                                                                |                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|                                                           |                                                        |
| <p><b>Item No.: 294-364</b></p> <p>Strain relief plate; for 294 Series; for multi-core cables; 3- to 5-pole; with secured clamp; white</p> | <p><b>Item No.: 294-384</b></p> <p>Strain relief plate; for 294 Series; for single strands; 3- to 5-pole; with secured clamp; white</p> |

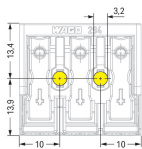


| 1.1.2 Tool             |
|------------------------|
| 1.1.2.2 Operating tool |

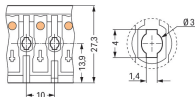


Item No.: 206-294  
Disconnection tool; green

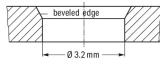
| Installation Notes |
|--------------------|
| Installation       |



3-pole – without ground contact



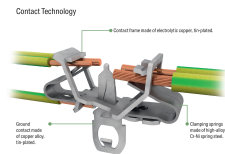
Mounting hole for screw  
**Notice:** The maximum thread diameter for self-tapping screws is 3 mm.



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

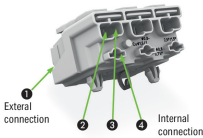


Conductor termination



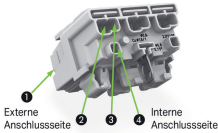
| EUROPE                               |
|--------------------------------------|
| 1 x 0.5 ... 2.5 mm <sup>2</sup> "s"  |
| 1 x 0.5 ... 1.5 mm <sup>2</sup> "s"  |
| 1 x 0.5 ... 0.75 mm <sup>2</sup> "s" |
| AMERICA                              |
| 1 x AWG 18 ... 14 "s"                |
| 1 x AWG 18 ...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

