

## Data Sheet | Item Number: 294-5053

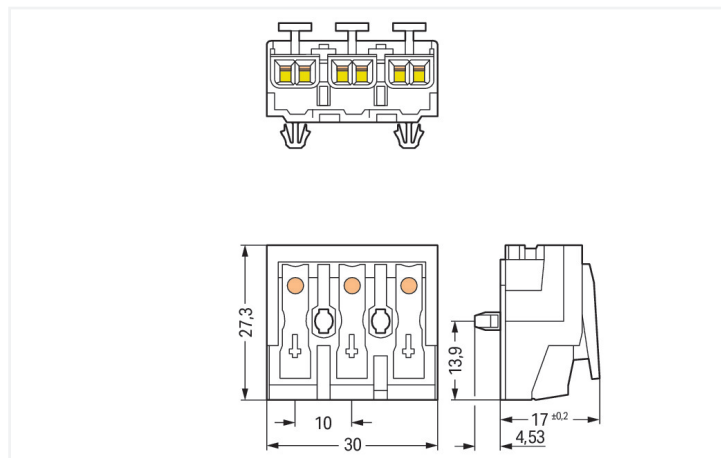
Lighting connector; push-button, external; without ground contact; 3-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm<sup>2</sup>; Surrounding air temperature: max 85°C (T85); white



<https://www.wago.com/294-5053>



Color: ■ white



Dimensions in mm

### Field-wiring terminal block, 294 Series, Push-in

Our field-wiring terminal block (item number 294-5053) is designed for seamless electrical installations. 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®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, offering a key advantage: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. Our tried-and-tested 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 21.53 x 27.3) mm (width x height x depth). Depending on the conductor type, this field-wiring terminal block is ideal 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 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 1.5 mm<sup>2</sup> and from 0.5 mm<sup>2</sup> to 0.75 mm<sup>2</sup>.

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 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 |
| 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                                                | 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 mm <sup>2</sup> / 18 ... 14 AWG |
| Fine-stranded conductor; with insulated ferrule   | 0.5 ... 1 mm <sup>2</sup> / 18 ... 16 AWG   |
| Fine-stranded conductor; with uninsulated ferrule | 0.5 ... 1.5 mm <sup>2</sup> / 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 mm <sup>2</sup> / 18 ... 16 AWG |
| Fine-stranded conductor; with insulated ferrule   | 0.5 ... 0.75 mm <sup>2</sup> / 18 AWG       |
| Fine-stranded conductor; with uninsulated ferrule | 0.5 ... 1 mm <sup>2</sup> / 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 mm <sup>2</sup> / 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                  | 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-⊕-N        |
| Mounting type | Snap-in foot |

### Material data

|                                    |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | white                                                                    |
| Material group                     | Illa                                                                     |
| 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                          | 0.094 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                  | 4050821098294                  |
| 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

|                                           |                                                    |
|-------------------------------------------|----------------------------------------------------|
| REACH Candidate List Substance            | Perfluorobutane sulfonic acid (PFBS) and its salts |
| RoHS Compliance Status                    | Compliant, No Exemption                            |
| SCIP notification number (Austria)        | dbbaa654-4d9a-48ca-b04c-05a813323884               |
| SCIP notification number (Belgium)        | ecd8983b-985e-41c7-b4dc-1c255796e262               |
| SCIP notification number (Bulgaria)       | 896a38c7-af88-4504-9d41-bed9706ffa6f               |
| SCIP notification number (Czech Republic) | b18fd3b7-5d25-4b53-9bcb-3691b9c5c130               |
| SCIP notification number (Denmark)        | dcc9c702-7993-4193-a848-cf6bee614455               |
| SCIP notification number (Finland)        | bd472f0d-1d35-4f1d-a395-88df4783b91c               |
| SCIP notification number (France)         | 4e5c06c7-6505-4154-997e-99f2e3997399               |
| SCIP notification number (Germany)        | 78433021-80fe-476b-abeb-a42c7715633c               |
| SCIP notification number (Hungary)        | 1eacf8a6-b163-447f-baab-48a4f3c5d83f               |
| SCIP notification number (Italy)          | d4315aeb-1460-4ed9-af87-2a5e0a7ffc3                |
| SCIP notification number (Netherlands)    | 84e8aa06-dcc2-4229-8d14-7a5a565481ce               |
| SCIP notification number (Poland)         | 68ca9dab-f581-4126-9613-684e7ed84893               |

**Environmental Product Compliance**

|                                    |                                      |
|------------------------------------|--------------------------------------|
| SCIP notification number (Romania) | e1aee21c-038a-4ade-882f-6bafef87f6bd |
| SCIP notification number (Sweden)  | 22bbbd79-0e3a-4e22-a332-cc81f573d3fc |

**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 Conformity<br>WAGO GmbH & Co. KG | -        | -                |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | -        | -                |

**Downloads**

**Environmental Product Compliance**

| Compliance Search                                           |
|-------------------------------------------------------------|
| Environmental Product Compliance 294-5053 <a href="#">↓</a> |

**Documentation**

| Bid Text |            |                 |                   |
|----------|------------|-----------------|-------------------|
| 294-5053 | 19.02.2019 | xml<br>5.58 KB  | <a href="#">↓</a> |
| 294-5053 | 13.06.2017 | doc<br>27.00 KB | <a href="#">↓</a> |

**CAD/CAE-Data**

| CAD data                                   |
|--------------------------------------------|
| 2D/3D Models<br>294-5053 <a href="#">↓</a> |

| CAE data                                     |
|----------------------------------------------|
| WSCAD Universe<br>294-5053 <a href="#">↓</a> |
| ZUKEN Portal<br>294-5053 <a href="#">↓</a>   |

## 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

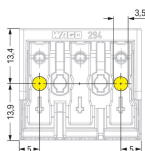


**Item No.: 206-294**

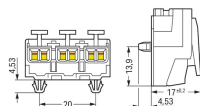
Disconnection tool; green

## Installation Notes

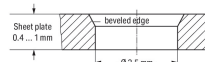
### Installation



3-pole – without ground contact

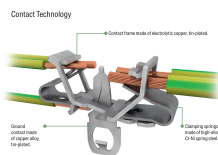


Snap-in foot



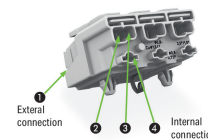
Drilled hole for snap-in mounting foot

## 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.

