

## Data Sheet | Item Number: 294-5055

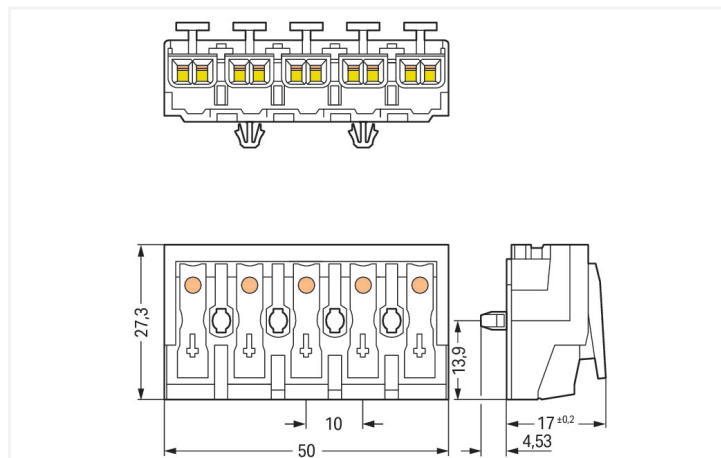
Lighting connector; push-button, external; without ground contact; 5-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm<sup>2</sup>; Surrounding air temperature: max 85°C (T85); white



<https://www.wago.com/294-5055>



Color: ■ white



Dimensions in mm

Field-wiring terminal block, 294 Series, white

Our field-wiring terminal block (item number 294-5055) makes connecting wires quick and easy. Conductors can only be connected to this field-wiring terminal block if their strip length is between 8 and 9 mm. This product features four conductor terminals and utilizes Push-in CAGE CLAMP® as well as PUSH WIRE®. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. Both solid and fine-stranded conductors with ferrules can be plugged in without needing to use any tools—all thanks to its pluggable design. Our proven 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: (50 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>.

Tin is used for coating the contact surfaces.

### 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             | 25                 |
| Total number of potentials | 5                  |
| 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  | 5   |
| 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 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                   | 50 mm / 1.969 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       | 3-N-⊕-1-2    |
| 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                          | 0.23 MJ  |
| Halogen-free                       | Yes  |
| Weight                             | 15.2 g   |

### Environmental requirements

|                       |        |
|-----------------------|--------|
| Temperature stability | 120 °C |
| T marking             | T85    |

### Commercial data

|                       |                                |
|-----------------------|--------------------------------|
| Product Group         | 8 (Misc. Chassis Mount Blocks) |
| PU (SPU)              | 250 pcs                        |
| Packaging type        | Foil                           |
| Country of origin     | CH                             |
| GTIN                  | 4050821098300                  |
| 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)        | 5b2e14d7-8d6d-4602-858e-5f6c7edfa888               |
| SCIP notification number (Belgium)        | b87ca9ae-b49e-4802-a2d8-ba97baea7358               |
| SCIP notification number (Bulgaria)       | 785b1e93-7c1a-420a-85f4-95650229156a               |
| SCIP notification number (Czech Republic) | 79339702-1bde-4a9e-86e5-be327e84b5e1               |
| SCIP notification number (Denmark)        | 0179de61-2a29-4dfb-aa69-91937821e452               |
| SCIP notification number (Finland)        | 3244fb33-dbfa-4838-af20-14ec4751e503               |
| SCIP notification number (France)         | 5db81939-f3a7-46a7-92b3-5ddaea67728b               |
| SCIP notification number (Germany)        | c6af9861-2ecb-4d66-b252-d99a8207b7cd               |
| SCIP notification number (Hungary)        | bab58ea0-6fa1-4b22-8c68-07296689118c               |
| SCIP notification number (Italy)          | 4b5f2fc5-badd-49d1-8292-eb0ae05c2890               |
| SCIP notification number (Netherlands)    | 9a231246-6864-411c-b998-e3c3c89917d0               |
| SCIP notification number (Poland)         | 0d176a98-eb59-45af-b18b-86e073680587               |

**Environmental Product Compliance**

|                                    |                                      |
|------------------------------------|--------------------------------------|
| SCIP notification number (Romania) | 09f20a9d-2e3a-4da3-b7df-f297ab661d3e |
| SCIP notification number (Sweden)  | 48557183-ceed-4883-b1ea-9e2e3bce0f9c |

**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 294-5055  |

**Documentation**

| Bid Text |            |                 |   |
|----------|------------|-----------------|---|
| 294-5055 | 19.02.2019 | xml<br>5.58 KB  |  |
| 294-5055 | 13.06.2017 | doc<br>28.50 KB |  |

**CAD/CAE-Data**

| CAD data   |
|--|
| 2D/3D Models<br>294-5055  |

| CAE data   |
|--|
| WSCAD Universe<br>294-5055  |
| ZUKEN Portal<br>294-5055    |

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

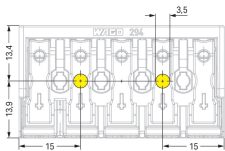


**Item No.: 206-294**

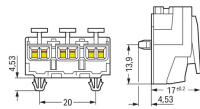
Disconnection tool; green

Installation Notes

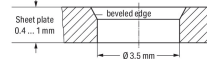
Installation



5-pole – without ground contact

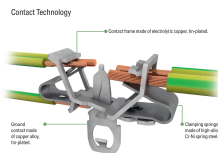


Snap-in foot



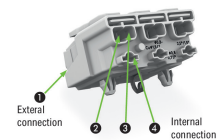
Drilled hole for snap-in mounting foot

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"      |  |

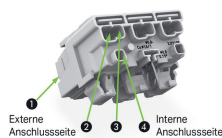


**Internal connection:**  
PUSH WIRE® for internal wiring with solid conductors

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



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



Externe Anschlussseite 1 2 3 4 Interne Anschlussseite

