

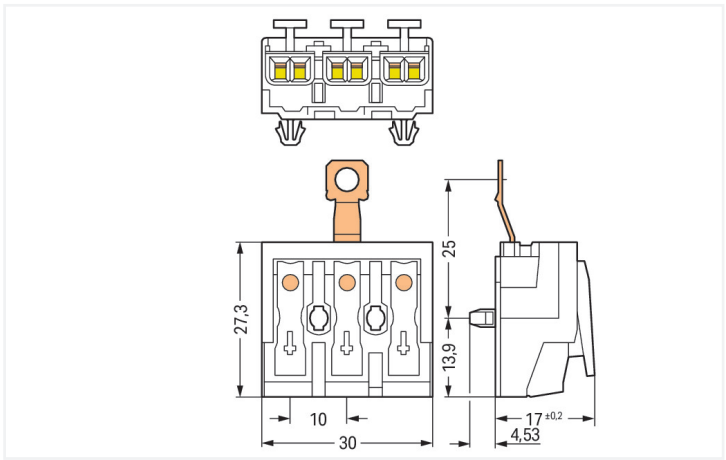
**Data Sheet | Item Number: 294-5153**

Lighting connector; push-button, external; with direct 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/294-5153>



Color: ■ white



Dimensions in mm

**Field-wiring terminal block, 294 Series, push-button**

Our field-wiring terminal block (item number 294-5153) is designed for seamless electrical installations. Conductors should only be connected to this field-wiring terminal block if their strip length is between 8 and 9 mm . Featuring four conductor terminals along with Push-in CAGE CLAMP® as well as PUSH WIRE®, this product outperforms the competition. 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 PUSH WIRE® connection uses the stiffness of the conductor to overcome the clamping spring's contact force, allowing faster and easier conductor clamping. Dimensions: (30 x 21.53 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                | Direct 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                  | 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                     |  | 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                          |  | 0.14 MJ                                                                  |
| Halogen-free                       |  | Yes                                                                      |
| Weight                             |  | 9.4 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                  |  | 4050821098362                  |
| 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)        |  | 6b43a56f-a13a-4d41-903c-14c7c3115576 |
| SCIP notification number (Belgium)        |  | 498ce35d-9c0a-4f6a-90e5-77d7385ff8b2 |
| SCIP notification number (Bulgaria)       |  | f37d74c1-11ff-4585-b414-0fcd8a465c1d |
| SCIP notification number (Czech Republic) |  | b45fe447-96b7-4c3c-8886-1c1d585862d5 |
| SCIP notification number (Denmark)        |  | abc4d7c3-f9c9-43a3-8a9e-ea6fd08c0fb3 |
| SCIP notification number (Finland)        |  | 0615fc1e-efd1-4057-914a-af80171fda7f |
| SCIP notification number (France)         |  | 32f056e9-64c0-4714-82e7-e036f9351a4b |
| SCIP notification number (Germany)        |  | 46bd3989-fa41-4bfd-8ebb-0b5f88da7b91 |
| SCIP notification number (Hungary)        |  | 132a3fa9-c1c7-4cc3-a0f2-96a75085f169 |
| SCIP notification number (Italy)          |  | 0c840d7c-a6fa-49c5-b975-fc1743a9a796 |
| SCIP notification number (Netherlands)    |  | 2b8504e4-35fc-4373-b350-3864e73acde5 |
| SCIP notification number (Poland)         |  | 20391ef7-7a8b-4d18-bcf7-69297b1870ea |
| SCIP notification number (Romania)        |  | f3afe239-8e0c-49f9-81b9-9d5fc04da7be |

| Environmental Product Compliance  |                                      |
|-----------------------------------|--------------------------------------|
| SCIP notification number (Sweden) | 6f6b5e3f-b011-4fa6-a204-4182855f9b35 |

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                                                 |
|                                                                                  |          | 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 294-5153 |  |

Documentation

| Bid Text |            |                 |                                                                                     |
|----------|------------|-----------------|-------------------------------------------------------------------------------------|
| 294-5153 | 13.06.2017 | doc<br>28.00 KB |  |
| 294-5153 | 19.02.2019 | xml<br>5.58 KB  |  |

CAD/CAE-Data

| CAD data                                                                                                  | CAE data                                                                                                      |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| 2D/3D Models 294-5153  | WSCAD Universe 294-5153  |
|                                                                                                           | ZUKEN Portal 294-5153    |

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

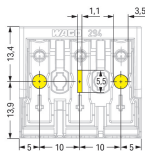
1.1.2.2 Operating tool



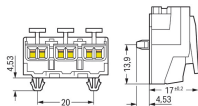
**Item No.: 206-294**  
Disconnection tool; green

Installation Notes

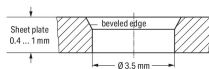
Installation



3-pole – with direct ground contact

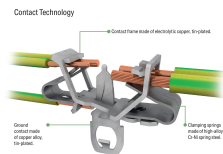


Snap-in foot



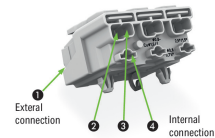
Drilled hole for snap-in mounting foot

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.

