

## Data Sheet | Item Number: 294-4024

Lighting connector; push-button, external; without ground contact; 1/L'-2/L-PE-N; 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

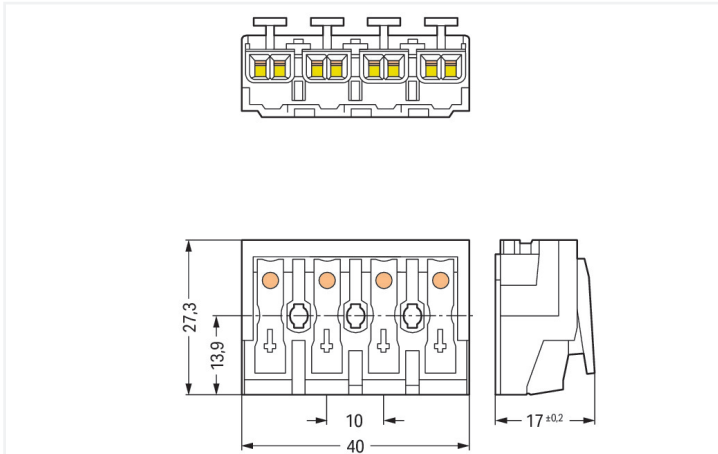
<https://www.wago.com/294-4024>



Color: ■ white

Similar to illustration

Similar to illustration



Dimensions in mm

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

Connect conductors quickly and safely with this field-wiring terminal block (item number 294-4024). 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 is highly versatile. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, boasting a key feature: both solid and fine-stranded conductors with ferrules can be directly inserted without the need for tools or any preparation, such as crimping the ferrule. 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: (40 x 17 x 27.3) mm (width x height x depth). Depending on the type of conductor, 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             | 20                 |
| Total number of potentials | 4                  |
| 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 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 |

|             |                        |
|-------------|------------------------|
| 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 |

|               |                               |
|---------------|-------------------------------|
| Marking       | 1/L'-2/L-⊕-N                  |
| Mounting type | without snap-in mounting feet |

|                                    |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| 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                             | 12.2 g                                                                   |

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

|                       |                                |
|-----------------------|--------------------------------|
| Product Group         | 8 (Misc. Chassis Mount Blocks) |
| PU (SPU)              | 500 pcs                        |
| Packaging type        | Foil                           |
| Country of origin     | CH                             |
| GTIN                  | 4050821097716                  |
| 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)        | b34f1d93-4a70-41d0-8204-ebb807c00187  |
| SCIP notification number (Belgium)        | 93a74499-4be6-4c45-a1a5-ae803836c67a  |
| SCIP notification number (Bulgaria)       | 85f4f640-4b6d-4d2f-9070-c56477efbd19  |
| SCIP notification number (Czech Republic) | e0bf03a7-92d6-4116-a778-f5b315d3fcb0  |
| SCIP notification number (Denmark)        | 5fae569f-164d-4b88-ab5d-66a3fba3832e  |
| SCIP notification number (Finland)        | 1630360e-ae1e-4154-8263-1044289f37f5  |
| SCIP notification number (France)         | 2723dbd9-d84a-47dd-8a50-7491d784915b  |
| SCIP notification number (Germany)        | 3d81d918-94ed-415e-9f32-bb8749c0a942  |
| SCIP notification number (Hungary)        | 2e005882-b86a-4964-adb7-2115105b805c  |
| SCIP notification number (Italy)          | c3e478bd-eb96-43d4-af30-7a9dc53f9df1  |
| SCIP notification number (Netherlands)    | 10aedef9b-2efc-4b3f-ba94-ecca334db5ea |
| SCIP notification number (Poland)         | 459e2d0b-8d87-4bc5-96c1-0079e6e3614f  |
| SCIP notification number (Romania)        | 7fe95759-93fc-4e12-9787-46e52cb9b1bf  |
| SCIP notification number (Sweden)         | ec154218-5a7e-4f85-b66c-736e50cb140b  |

| 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                                                                                                                                                                                                                                                                    |          |          |                  |                                                    |   |   |                                                    |   |   |
|                                                                                    |          | <table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Conformity<br/>WAGO GmbH &amp; Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Conformity<br/>WAGO GmbH &amp; Co. KG</td><td>-</td><td>-</td></tr></table> | Approval | Standard | Certificate Name | EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - | UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - |
| 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 294-4024 |  |



Documentation

| Bid Text |            |                 |  |
|----------|------------|-----------------|--|
| 294-4024 | 19.02.2019 | xml<br>5.58 KB  |  |
| 294-4024 | 13.06.2017 | doc<br>28.00 KB |  |

CAD/CAE-Data

| CAD data              | CAE data                |
|-----------------------|-------------------------|
| 2D/3D Models 294-4024 | WSCAD Universe 294-4024 |
|                       | ZUKEN Portal 294-4024   |

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

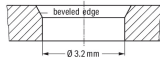
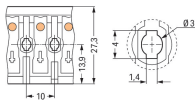
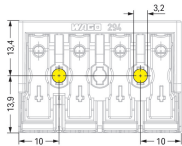
1.1.2.2 Operating tool



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

Installation Notes

Installation



4-pole – without ground contact

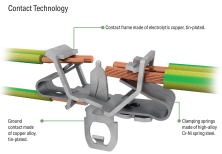
Mounting hole for screw

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

Hole for screw mount

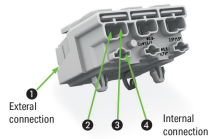
**Notice:** The maximum thread diameter for self-tapping screws is 3 mm.

Conductor termination



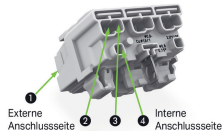
| EUROPE                               |
|--------------------------------------|
| 1 x 0.5 ... 2.5 mm <sup>3</sup> "s"  |
| 1 x 0.5 ... 1.5 mm <sup>3</sup> "s"  |
| 1 x 0.5 ... 0.75 mm <sup>3</sup> "s" |
| AMERICA                              |
| 1 x AWG 18 ... 14 "s"                |
| 1 x AWG 18 ... 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>3</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>3</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.

