

Data Sheet | Item Number: 294-5035

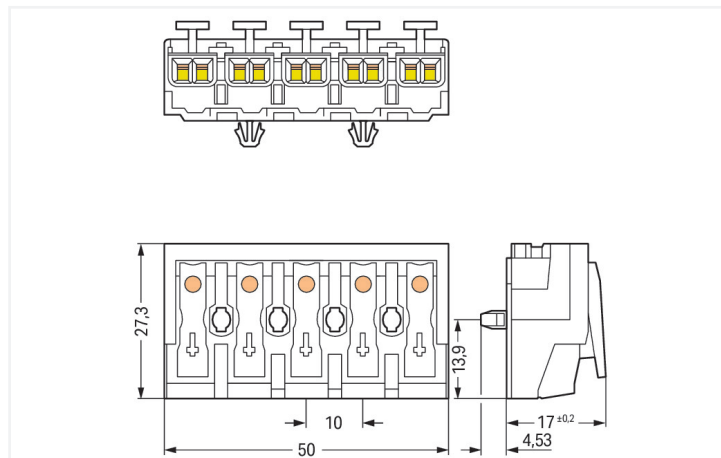
Lighting connector; push-button, external; without ground contact; DA+ DA- L PE N; 5-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²; Surrounding air temperature: max 85°C (T85); white



<https://www.wago.com/294-5035>



Color: ■ white



Dimensions in mm

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

This field-wiring terminal block (item number 294-5035) is designed to connect conductors quickly and easily. Ensure that the strip lengths are between 8 and 9 mm when connecting conductors to this field-wiring terminal block. This product features four conductor terminals and utilizes Push-in CAGE CLAMP® as well as PUSH WIRE®. 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 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: (50 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 mm² to 2.5 mm² on one side and for conductor cross sections ranging from 0.5 mm² to 2.5 mm² on the other side as well as conductor cross sections from 0.5 mm² to 2.5 mm² and from 0.5 mm² to 0.75 mm² 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 | 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 ² / 18 ... 12 AWG |
| Solid conductor; push-in termination | 0.5 ... 2.5 mm ² / 18 ... 12 AWG |
| Stranded conductor | 0.5 ... 2.5 mm ² / 18 ... 14 AWG |
| Fine-stranded conductor | 0.5 ... 2.5 mm ² / 18 ... 14 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.5 ... 1.5 mm ² / 18 ... 16 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.5 ... 1.5 mm ² / 18 ... 16 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 0.5 mm ² / 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 ² / 18 ... 14 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.5 ... 1 mm ² / 18 ... 16 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.5 ... 1.5 mm ² / 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 ² / 18 ... 16 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.5 ... 0.75 mm ² / 18 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.5 ... 1 mm ² / 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 ² / 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 | DA+ DA- L ⊕ N |
| Mounting type | Snap-in foot |

Material data

| | |
|------------------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| 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 _{Cu}) |
| 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 | 4050821098232 |
| 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) | 1b6715ac-3e96-4ed1-b49e-d44bdbbeaeae |
| SCIP notification number (Belgium) | 3799339b-3036-44dd-ad5e-57f5e90c4de4 |
| SCIP notification number (Bulgaria) | d307decb-a17a-441f-aab0-3d9d1697a906 |
| SCIP notification number (Czech Republic) | af9a5054-3741-4ddd-b794-ad3171b96e88 |
| SCIP notification number (Denmark) | 85b75c72-3e1f-4779-b41d-655a1faa109f |
| SCIP notification number (Finland) | be7a1bf1-9b3e-4855-9757-262894308622 |
| SCIP notification number (France) | 845ab459-3c9c-45d8-a6b3-84c2b03fc4b4 |
| SCIP notification number (Germany) | cf89dfc6-8acb-457c-a795-09612e60ee39 |
| SCIP notification number (Hungary) | 9263bc9e-3f63-4b3c-8427-9cf29e0b52c2 |
| SCIP notification number (Italy) | e7ed92c0-b47e-46e9-8af7-0bc80833a4cf |
| SCIP notification number (Netherlands) | e67c1592-9701-4444-ad45-8d8b69ccfe1a |
| SCIP notification number (Poland) | 6928ddcd-28a4-4173-b41d-4c7e63da8699 |
| SCIP notification number (Romania) | 7f30baf6-cb42-4a94-be9b-e5a88e644a53 |

Environmental Product Compliance

| | |
|-----------------------------------|--------------------------------------|
| SCIP notification number (Sweden) | 2ae5bcd1-07e5-4f34-b6e3-0b849727fb2b |
|-----------------------------------|--------------------------------------|

Approvals / Certificates

General approvals



| Approval | Standard | Certificate Name |
|-------------------------------------|----------|------------------|
| ENEC 05 DEKRA Certification B.V. | EN 60998 | 2128791.01 |

Declarations of conformity and manufacturer's declarations

| Approval | Standard | Certificate Name |
|--|----------|------------------|
| EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |
| UK-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

Downloads

Environmental Product Compliance

| Compliance Search |
|---|
| Environmental Product Compliance 294-5035 |

Documentation

| Bid Text | | | |
|----------|------------|-----------------|--|
| 294-5035 | 19.02.2019 | xml 5.58 KB | |
| 294-5035 | 13.06.2017 | doc 28.00 KB | |

CAD/CAE-Data

| CAD data |
|-----------------------|
| 2D/3D Models 294-5035 |

| CAE data |
|-------------------------|
| WSCAD Universe 294-5035 |
| ZUKEN Portal 294-5035 |

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

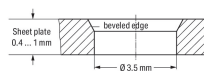
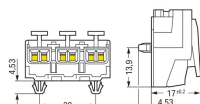
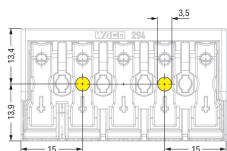


Item No.: 206-294

Disconnection tool; green

Installation Notes

Installation

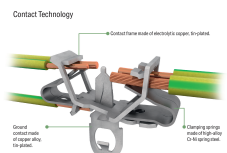


5-pole – without ground contact

Snap-in foot

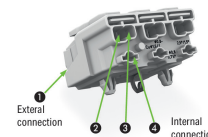
Drilled hole for snap-in mounting foot

Conductor termination



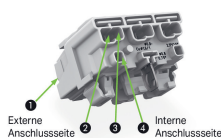
| EUROPE | |
|--------------------------------------|--|
| 1 x 0.5 ... 2.5 mm ² "s" | |
| 1 x 0.5 ... 1.5 mm ² "s" | |
| 1 x 0.5 ... 0.75 mm ² "s" | |
| AMERICA | |
| 1 x AWG 18 ... 14 "s" | |
| 1 x AWG 18 ... 16 "s" | |
| 1 x AWG 18 "s" | |
| JAPAN | |
| 1 x 0.8 ... 1.6 mm diam. "s" | |
| 1 x 0.8 ... 1 mm diam. "s" | |
| 1 x 0.8 mm diam. "s" | |

| EUROPE | |
|--|--|
| 2 x 0.5 ... 2.5 mm ² "s, 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 ² 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.

