

Data Sheet | Item Number: 294-4075

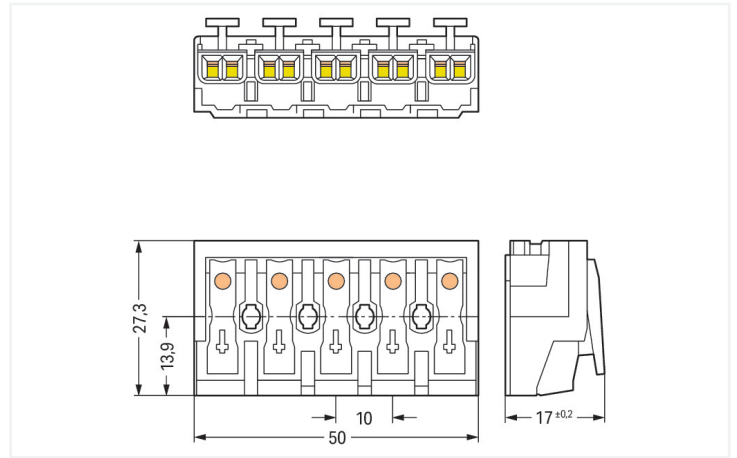
Lighting connector; push-button, external; without ground contact; 5-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²; Surrounding air temperature: max 85°C (T85); white



<https://www.wago.com/294-4075>



Color: ■ white



Dimensions in mm

Field-wiring terminal block, 294 Series, white

This field-wiring terminal block (item number 294-4075) streamlines wire connections, making them both quick and easy. Ensure that the strip lengths are between 8 and 9 mm when connecting conductors to this field-wiring terminal block. Featuring four conductor terminals along with Push-in CAGE CLAMP® as well as PUSH WIRE®, this connector is highly versatile. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing to use any tools—all thanks to its pluggable design. Our PUSH WIRE® connection offers a quick and easy solution for connecting solid conductors. The dimensions are (50 x 17 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 mm² to 2.5 mm² on one side and for conductor cross sections from 0.5 mm² to 2.5 mm² on the other side as well as conductor cross sections from 0.5 mm² to 1.5 mm² and from 0.5 mm² to 0.75 mm².

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 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 | 17 mm / 0.669 inches |
| Depth | 27.3 mm / 1.075 inches |

Mechanical data

| | |
|---------------|-------------------------------|
| Marking | DA- N ⊕ L DA+ |
| Mounting type | without snap-in mounting feet |

Material data

| | |
|------------------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| 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 _{Cu}) |
| Contact Plating | Tin |
| Fire load | 0.301 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 | 4050821097839 |
| 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) | f686d79d-257e-4129-9e5e-256be8e22e31 |
| SCIP notification number (Belgium) | 1357b728-638a-4f77-852a-5698196fcaae |
| SCIP notification number (Bulgaria) | 35a1d2bd-2495-4d3c-a918-18377907607a |
| SCIP notification number (Czech Republic) | 1840dcd5-2936-4b7c-af49-f5a4ec5e89df |
| SCIP notification number (Denmark) | 4494c0c4-eeb3-493d-a329-8b4d16cd5306 |
| SCIP notification number (Finland) | be95ac01-daf8-4157-95f6-0463cabf2692 |
| SCIP notification number (France) | caa05815-53bd-4248-9e7e-a7075c2fd4f5 |
| SCIP notification number (Germany) | ccc1bfba-40aa-449c-8734-e4becca09cb0 |
| SCIP notification number (Hungary) | 6298bbd2-f845-48e4-9931-0cdfcad2d156 |
| SCIP notification number (Italy) | fa85c1d4-d702-4e33-90c1-48b2ca381b59 |
| SCIP notification number (Netherlands) | c5228bb8-0761-4623-9bb0-1dcf54039268 |
| SCIP notification number (Poland) | 9ac8dd46-74bf-4aa8-8ebb-711bd00bdaa3 |

Environmental Product Compliance

| | |
|------------------------------------|--------------------------------------|
| SCIP notification number (Romania) | 31edd227-93ca-4891-bfa7-915121d12004 |
| SCIP notification number (Sweden) | 4d63a88f-241c-4a3a-8a6e-f90154bc6174 |

Approvals / Certificates

General approvals **Declarations of conformity and manufacturer's declarations**



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

| 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 294-4075 | ↓ |
|---|---|

Documentation

Bid Text

| | | | |
|----------|------------|-----------------|---|
| 294-4075 | 13.06.2017 | doc 28.50 KB | ↓ |
| 294-4075 | 19.02.2019 | xml 5.58 KB | ↓ |

CAD/CAE-Data

CAD data

| | |
|--------------------------|---|
| 2D/3D Models 294-4075 | ↓ |
|--------------------------|---|

CAE data

| | |
|----------------------------|---|
| WSCAD Universe 294-4075 | ↓ |
| ZUKEN Portal 294-4075 | ↓ |

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

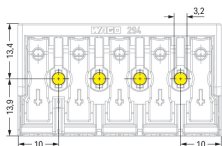


Item No.: 206-294

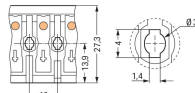
Disconnection tool; green

Installation Notes

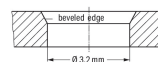
Installation



5-pole – without ground contact

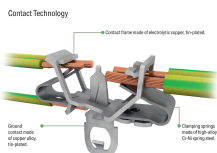


Mounting hole for screw
Notice: The maximum thread diameter for self-tapping screws is 3 mm.



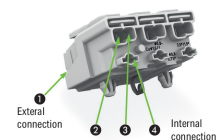
Hole for screw mount
Notice: The maximum thread diameter for self-tapping screws is 3 mm.

Conductor termination



| EUROPE |
|--------------------------------------|
| 1 x 0.5 ... 2.5 mm 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, 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 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

Conductor termination



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

