

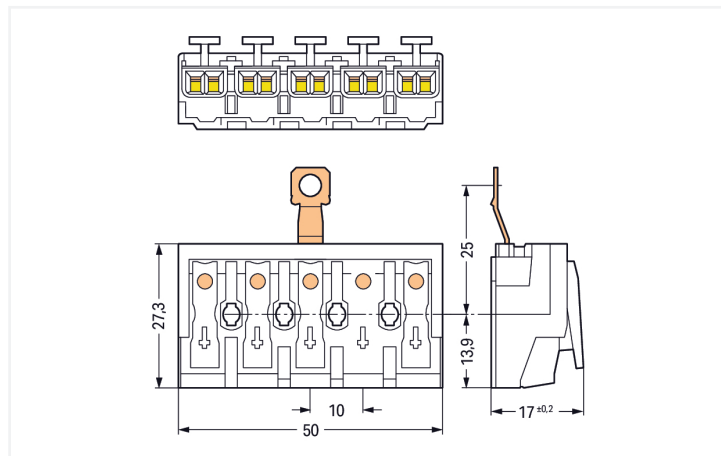
Data Sheet | Item Number: 294-4425

Lighting connector; push-button, external; with screw-type ground contact; 5-pole;
Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²; Sur-
rounding air temperature: max 85°C (T85); white

<https://www.wago.com/294-4425>



Color: ■ white



Dimensions in mm

Field-wiring terminal block, 294 Series, with 10 mm pin spacing

Connect conductors quickly and safely with this field-wiring terminal block (item number 294-4425). 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® and 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 PUSH WIRE® connection offers a simple and reliable solution for connecting solid conductors. The item's 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 | | |
|---------------------------------|----------------|-----|-------|
| Overtoltage 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 | | |
|---------------------------------|------------------|-----|-------|
| Overtoltage 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 | Screw-type 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 | L'-N'-L-⊕-N |
| Mounting type | without snap-in mounting feet |

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 | 0.229 MJ |
| Halogen-free | Yes |
| Weight | 15.9 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 | Bag |
| Country of origin | PL |
| GTIN | 4050821098096 |
| 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) | b8775e2f-ffdf-4855-9b7b-ad1c1f6c5be1 |
| SCIP notification number (Belgium) | e48adbc5-660d-480b-af8d-eb0790e2c741 |
| SCIP notification number (Bulgaria) | 128c23ff-4e9b-4af1-9b0a-373474f7acf4 |
| SCIP notification number (Czech Republic) | 99e60a79-5e73-4da1-ba2f-8c922dd706f2 |
| SCIP notification number (Denmark) | c9f715bb-838b-4edc-b656-8514d0d384ea |
| SCIP notification number (Finland) | 3961f862-e4c2-4426-b5dd-014f1d314aa3 |
| SCIP notification number (France) | 3f3e1a83-bcac-40d6-8aea-6d7f87e23e00 |
| SCIP notification number (Germany) | 19725a31-312d-4b16-938e-2a3864c9bdc6 |
| SCIP notification number (Hungary) | 6da50bb5-435f-4d0b-939e-726ba61f4a0f |
| SCIP notification number (Italy) | 644ae09b-3ff8-4368-8d51-8822dc56ab59 |
| SCIP notification number (Netherlands) | ef234446-6edc-4d80-8f27-57516c7a4c8b |
| SCIP notification number (Poland) | 3ac58f3b-3437-4340-9159-f9c3b58154a4 |
| SCIP notification number (Romania) | d6b17c6f-0c3c-4d0c-b03f-b6be2ed63d5f |

Environmental Product Compliance

| | |
|-----------------------------------|--------------------------------------|
| SCIP notification number (Sweden) | d6e2ae22-2233-4919-b54b-8f6824aefae6 |
|-----------------------------------|--------------------------------------|

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 294-4425 ↓ |

Documentation

| Bid Text | | | |
|----------|------------|-----------------|-------------------|
| 294-4425 | 19.02.2019 | xml 5.59 KB | ↓ |
| 294-4425 | 13.06.2017 | doc 28.00 KB | ↓ |

CAD/CAE-Data

| CAD data |
|---|
| 2D/3D Models 294-4425 ↓ |

| CAE data |
|---|
| WSCAD Universe 294-4425 ↓ |
| ZUKEN Portal 294-4425 ↓ |

Conductor termination



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

