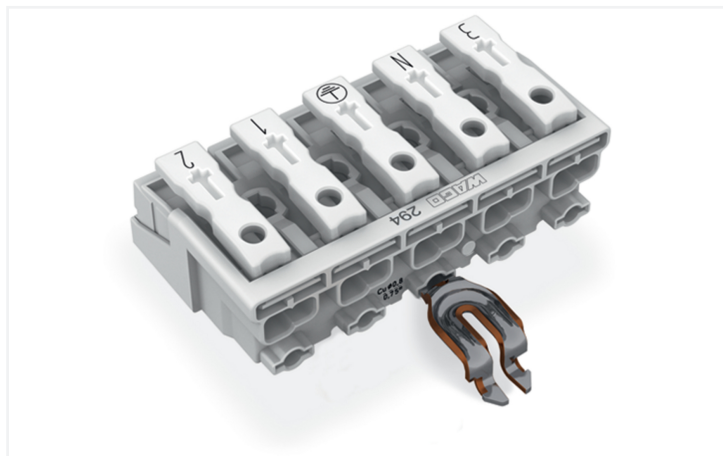


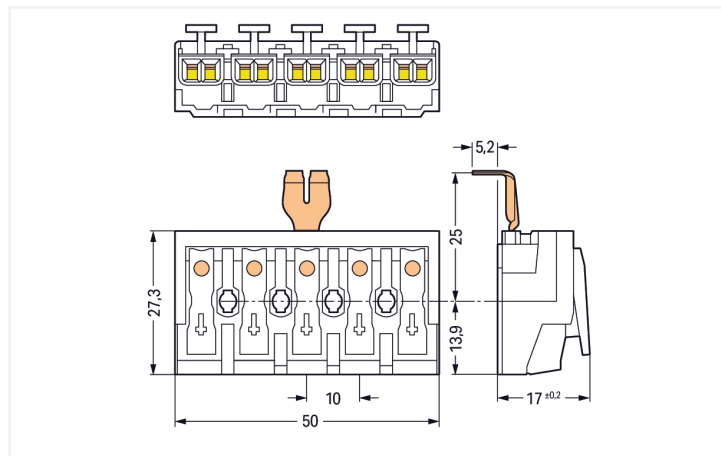
Data Sheet | Item Number: 294-4255

Lighting connector; push-button, external; with snap-in 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/294-4255>



Color: ■ white



Dimensions in mm

Field-wiring terminal block, 294 Series, Push-in CAGE CLAMP®

This field-wiring terminal block (item number 294-4255) is designed for quick and simple connections. 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 all conductor types. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. Our PUSH WIRE® connection is the simple and reliable method for connecting solid conductors. Dimensions: (50 x 17 x 27.3) mm (width x height x depth). Depending on the type of conductor, 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 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 | Snap-in 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 | 3-N-⊕-1-2 |
| 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 | 16.1 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 | 4050821097921 |
| 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) | 1dad65e1-9c67-4c75-a2a6-07e5ac95822b |
| SCIP notification number (Belgium) | a44e379b-9b33-4976-a2dc-46816814c6cf |
| SCIP notification number (Bulgaria) | e81895d6-3fe3-40a3-9cc1-8540f9864ba1 |
| SCIP notification number (Czech Republic) | 6508d829-9b5b-4a3c-9547-781c740f3f5b |
| SCIP notification number (Denmark) | 3522c810-f226-402e-b894-46e4d70b5b75 |
| SCIP notification number (Finland) | bc334393-08c8-4f38-96cd-8a5022ab0810 |
| SCIP notification number (France) | 94d25be5-9104-4591-8f17-19023552468c |
| SCIP notification number (Germany) | 7f217438-45e9-47c4-b6bb-5017eafe05a3 |
| SCIP notification number (Hungary) | 1fc74c59-886b-473f-a676-35c890848b29 |
| SCIP notification number (Italy) | f9d7dd90-3757-4f59-aaa2-06ede926ee26 |
| SCIP notification number (Netherlands) | 3313ebe8-ae9d-4e94-8178-2bdb1efcb9fb |
| SCIP notification number (Poland) | aef5041b-aea4-4b0f-b4d4-8de6bf50a7ce |
| SCIP notification number (Romania) | ccf69f95-2cd4-4414-aa70-4043a056a913 |

Environmental Product Compliance

| | |
|-----------------------------------|--------------------------------------|
| SCIP notification number (Sweden) | de712721-01fb-46eb-803f-6d632a1e4556 |
|-----------------------------------|--------------------------------------|

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 294-4255 ↓ |

Documentation

| Bid Text | | | |
|----------|------------|-----------------|-------------------|
| 294-4255 | 19.02.2019 | xml 5.58 KB | ↓ |
| 294-4255 | 13.06.2017 | doc 28.50 KB | ↓ |

CAD/CAE-Data

| CAD data |
|---|
| 2D/3D Models 294-4255 ↓ |

| CAE data |
|---|
| WSCAD Universe 294-4255 ↓ |
| ZUKEN Portal 294-4255 ↓ |

Conductor termination



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

