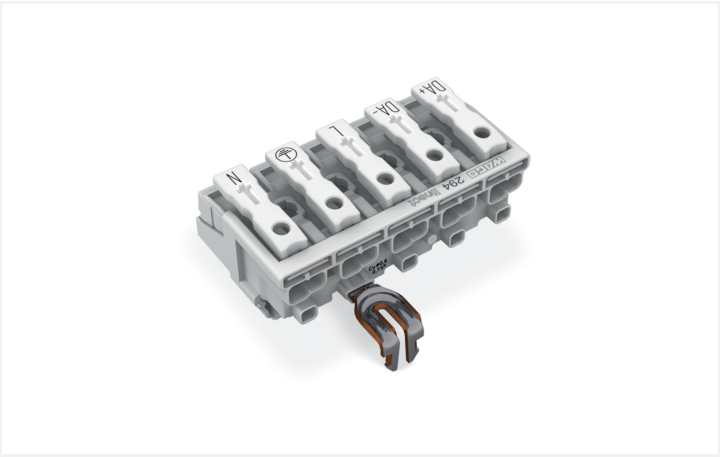
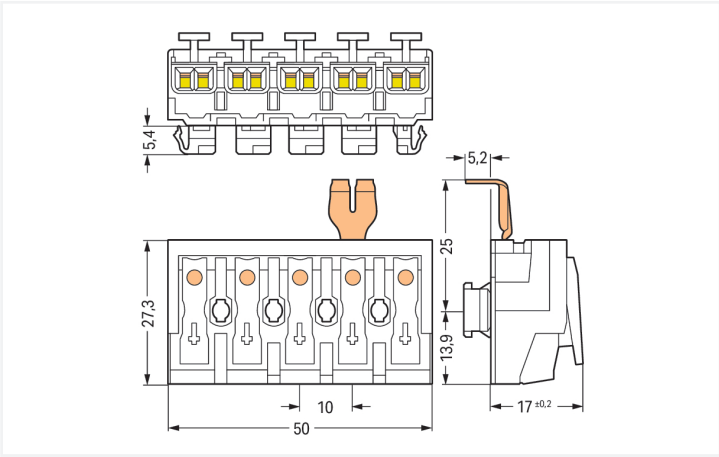
# Data Sheet | Item Number: 294-8235

Lighting connector; push-button, external; for Linect®; with snap-in ground contact; DA+ DA- L PE N; 5-pole; Cod. I; 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/294-8235






Color: white

Dimensions in mm

Field-wiring terminal block with linect<sup>®</sup>, 294 Series, push-button

Easy electrical installations are guaranteed with field-wiring terminal block with linect<sup>®</sup> (item number 294-8235). Conductors can only be connected to field-wiring terminal block with linect<sup>®</sup> if their strip length is between 8 and 9 mm . This product incorporates four conductor terminals and utilizes Push-in CAGE CLAMP® and PUSH WIRE®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, boasting a key feature: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. Our PUSH WIRE® connection uses the stiffness of the conductor to overcome the clamping spring's contact force, allowing faster and easier conductor clamping. The item's dimensions are (50 x 22.4 x 27.3) mm (width x height x depth). Depending on the conductor type, field-wiring terminal block with linect<sup>®</sup> 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 | Connection points | | |
|---|---|---|---|
| Ratings per | IEC/EN 60998-1 | IEC/EN 60998-1 | 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 | Connection points | | |
|---|---|---|---|
| Ratings per | IEC/EN 60998-2-2 | IEC/EN 60998-2-2 | 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 |

| Ratings | Linect® plug-in connection | | |
|---|---|---|---|
| Ratings per | IEC/EN 61984 | IEC/EN 61984 | IEC/EN 61984 |
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | - | - | 500 V |
| Rated impulse withstand voltage | - | - | 4 kV |
| Rated current | - | - | 16 A |

## Connection Data

| | |
|---|---|
| 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 |
| 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 ferrule | 0.5 … 1.5 mm² / 18 … 16 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.5 … 1.5 mm² / 18 … 16 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 0.5 mm² / 18 AWG |
| Strip length | 8 … 9 mm / 0.31 … 0.35 inches |
| Pole number | 5 |

### 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 ferrule | 0.5 … 1 mm² / 18 … 14 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.5 … 1.5 mm² / 18 … 16 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 ferrule | 0.5 … 0.75 mm² / 18 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.5 … 1 mm² / 18 … 14 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 mm² / 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 | 22.4 mm / 0.882 inches |
| Height from the surface | 17 mm / 0.669 inches |
| Depth | 27.3 mm / 1.075 inches |


Continued on next page

## Mechanical data

| | |
|---|---|
| Technology | Linect |
| Marking | DA+ DA- L ⏚ N |

## 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 | 0.253 MJ |
| Weight | 17.2 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 | Bag |
| Country of origin | PL |
| GTIN | 4050821098874 |
| 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) | a943fb5f-14ac-4d1b-999a-5ad6f90d323d |
| SCIP notification number (Belgium) | 31d1e781-16ed-4b99-8a4b-b3c4b16dcde8 |
| SCIP notification number (Bulgaria) | adb6151d-989c-40c2-977e-8cf5413a9e1e |
| SCIP notification number (Czech Republic) | 5eade98d-9242-4e5a-b2c4-0eaa5e13f056 |
| SCIP notification number (Denmark) | bf0add4a-a9bb-42ee-aa2c-aa7d845c5592 |
| SCIP notification number (Finland) | 8ffa09a6-221b-4709-a47c-d4c243797d7a |
| SCIP notification number (France) | decb130c-32d8-4c1d-aff3-bf9dc65ed50a |
| SCIP notification number (Germany) | 3b8dd1cb-15e1-4cc1-8ea4-659bea689df7 |
| SCIP notification number (Hungary) | e9b1ea3a-d344-47d5-9c4b-a0514c1eba53 |
| SCIP notification number (Italy) | d2aa0324-b033-4ae8-ac97-70abb681a355 |
| SCIP notification number (Netherlands) | f23cef73-3d29-4c5b-88e2-9763c921cc8d |
| SCIP notification number (Poland) | 2086da8f-a21c-4cc4-a46d-3ea7329fa2bd |
| SCIP notification number (Romania) | 3fadb601-7a0e-4219-9af9-cb462a958fa3 |
| SCIP notification number (Sweden) | d9a5e010-c142-4e79-8344-df65731c871b |


Continued on next page

## Approvals / Certificates

### General approvals

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

### Declarations of conformity and manufacturer's declarations

| 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 294-8235

### Documentation

**Additional Information**

| | | |
|---|---|---|
| Technical Section | 03.04.2019 | pdf<br>2027.26 KB |

### CAD/CAE-Data

**CAD data**

2D/3D Models 294-8235

**CAE data**

WSCAD Universe 294-8235

ZUKEN Portal 294-8235