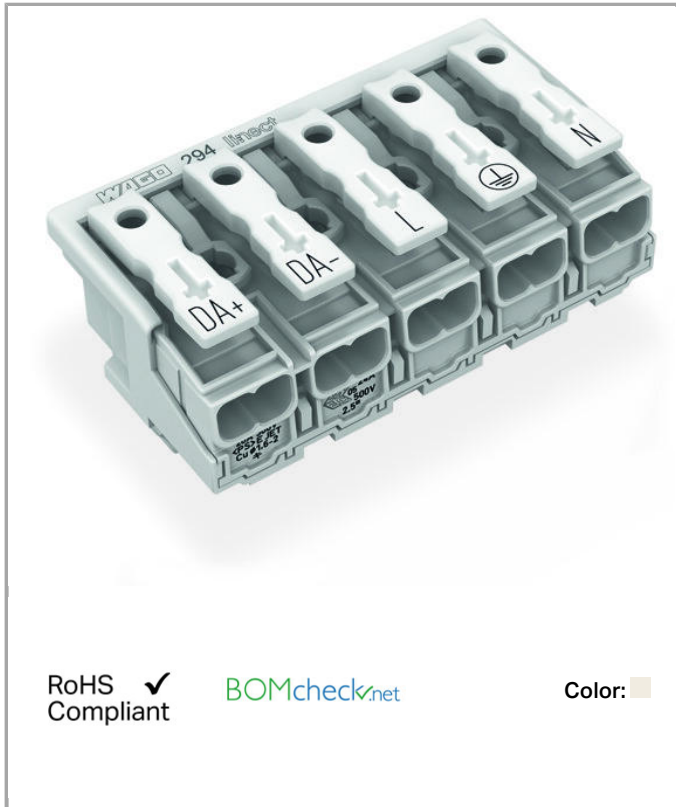


## Data sheet | Item number: 294-8035



Lighting connector; push-button, external; for Linect®; without ground contact; DA+ DA- L PE N; 5-pole; Cod. I; Lighting side: for all conductor types; Inst. side: for solid conductors; max. 2.5 mm<sup>2</sup>; Ambient temperature: max. 85 °C (T85)

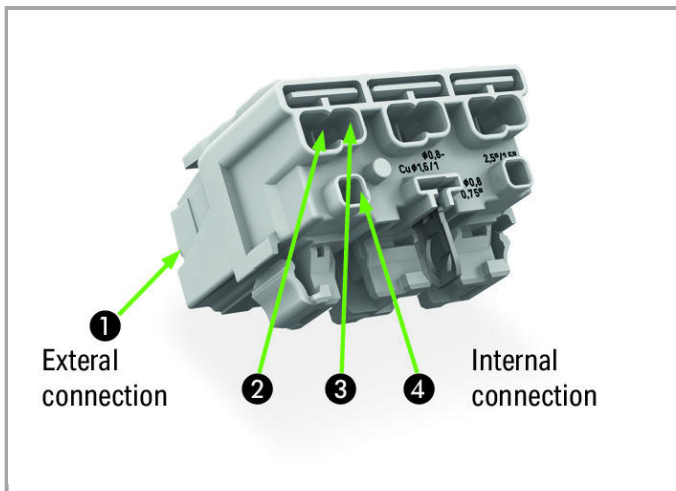
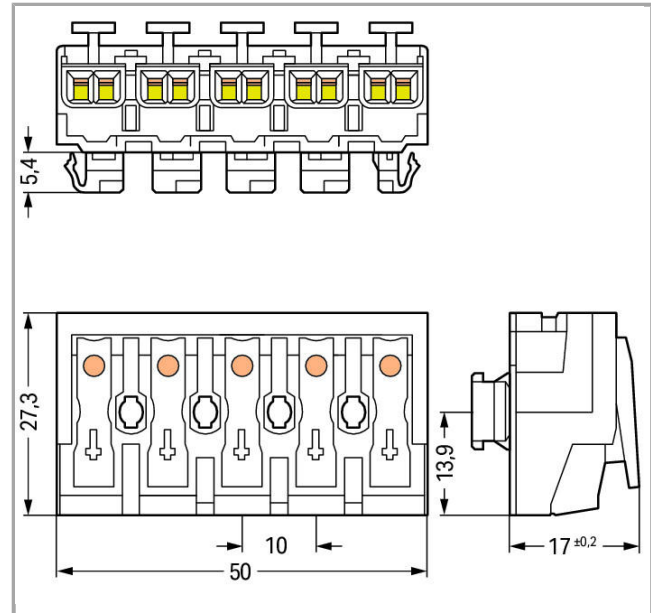
294-8035



RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color:



1  
External connection

2

3

4

Internal connection

### Item description

- External connection of solid, stranded and fine-stranded conductors
- Universal conductor termination (AWG, metric)

—



- Third contact located at the bottom of internal connector end
- - Strain relief plate can be retrofitted

## Data

### Electrical data

#### Ratings per IEC/EN 60664-1

| Ratings note                     | Connection points                      |
|----------------------------------|----------------------------------------|
| Rated voltage (II / 2)           | 500 V                                  |
| Rated impulse voltage (II / 2)   | 4 kV                                   |
| Rated current                    | 24 A                                   |
| Ratings according to 2           | IEC/EN 60998-2-2                       |
| Ratings note 2                   | Connection points                      |
| Rated voltage (II / 2) 2         | 500 V                                  |
| Rated impulse voltage (II / 2) 2 | 4 kV                                   |
| Rated current (2)                | 24 A                                   |
| Ratings according to 3           | IEC/EN 61984                           |
| Ratings Note 3                   | Linect <sup>®</sup> plug-in connection |
| Rated voltage (II / 2) 3         | 500 V                                  |
| Rated impulse voltage (II / 2) 3 | 4 kV                                   |
| Rated current (3)                | 16 A                                   |

### Connection data

|                                                             |                                             |
|-------------------------------------------------------------|---------------------------------------------|
| Connection type (1)                                         | External 1                                  |
| Connection technology                                       | Push-in CAGE CLAMP <sup>®</sup>             |
| Number of connection points (connection type)               | 2                                           |
| Actuation type                                              | Push-button                                 |
| Actuation type 2                                            | Push-in                                     |
| Solid conductor                                             | 0.5 ... 2.5 mm <sup>2</sup> / 18 ... 12 AWG |
| Solid conductor, push-in termination                        | 0.5 ... 2.5 mm <sup>2</sup> / 18 ... 12 AWG |
| Stranded conductor                                          | 0.5 ... 2.5 mm <sup>2</sup> / 18 ... 14 AWG |
| Fine-stranded conductor                                     | 0.5 ... 2.5 mm <sup>2</sup> / 18 ... 14 AWG |
| Fine-stranded conductor with ferrule with plastic collar    | 0.5 ... 1.5 mm <sup>2</sup> / 18 ... 16 AWG |
| Fine-stranded conductor with ferrule without plastic collar | 0.5 ... 1.5 mm <sup>2</sup> / 18 ... 16 AWG |
| Strip length                                                | 8 ... 9 mm / 0.31 ... 0.35 inch             |
| Connection type (2)                                         | Internal 2                                  |
| Connection technology 2                                     | PUSH WIRE <sup>®</sup>                      |
| Number of connection points                                 | 1                                           |
| Solid conductor (2)                                         | 0.5 ... 2.5 mm <sup>2</sup> / 18 ... 14 AWG |
| Fine-stranded conductor with insulated ferrule (2)          | 0.5 ... 1 mm <sup>2</sup> / 18 ... 14 AWG   |



|                                                      |                                                                             |
|------------------------------------------------------|-----------------------------------------------------------------------------|
| Fine-stranded conductor with uninsulated ferrule (2) | 0.5 ... 1.5 mm <sup>2</sup> / 18 ... 16 AWG                                 |
| Strip length (2)                                     | 8 ... 9 mm / 0.31 ... 0.35 inch                                             |
| Connection type (3)                                  | Internal 3                                                                  |
| Connection technology 3                              | PUSH WIRE®                                                                  |
| Number of connection points                          | 1                                                                           |
| Actuation type 3                                     | Push-in                                                                     |
| Solid conductor (3)                                  | 0.5 ... 1.5 mm <sup>2</sup> / 18 ... 16 AWG                                 |
| Fine-stranded conductor with insulated ferrule (3)   | 0.5 ... 0.75 mm <sup>2</sup> / 18 AWG 0.5 ... 0.75 mm <sup>2</sup> / 18 AWG |
| Fine-stranded conductor with uninsulated ferrule (3) | 0.5 ... 1 mm <sup>2</sup> / 18 ... 14 AWG                                   |
| Strip length (3)                                     | 8 ... 9 mm / 0.31 ... 0.35 inch                                             |
| Connection type (4)                                  | Internal 4                                                                  |
| Connection technology 4                              | PUSH WIRE®                                                                  |
| Number of connection points                          | 1                                                                           |
| Actuation type 4                                     | Push-in                                                                     |
| Solid conductor (4)                                  | 0.5 ... 0.75 mm <sup>2</sup> / 18 AWG                                       |
| Strip length (4)                                     | 8 ... 9 mm / 0.31 ... 0.35 inch                                             |
| No. of poles                                         | 5                                                                           |
| Total number of potentials                           | 5                                                                           |
| Number of connection types                           | 4                                                                           |

## Geometrical Data

|                         |                      |
|-------------------------|----------------------|
| Pin spacing             | 10 mm / 0.394 inch   |
| Width                   | 50 mm / 1.969 inch   |
| Height                  | 22.4 mm / 0.882 inch |
| Height from the surface | 17 mm / 0.669 inch   |
| Depth                   | 27.3 mm / 1.075 inch |

## Mechanical data

|         |             |
|---------|-------------|
| Marking | DA+ DA- L N |
|---------|-------------|

## Material Data

|                             |                                        |
|-----------------------------|----------------------------------------|
| Color                       | white                                  |
| Material group              | III a                                  |
| Insulating material         | Polycarbonate (PC)                     |
| Flammability class per UL94 | V0                                     |
| Clamping spring material    | Chrome nickel spring steel (CrNi)      |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating             | tin-plated                             |
| Fire load                   | 0.332 MJ                               |



|        |          |
|--------|----------|
| Weight | 16.244 g |
|--------|----------|

## Environmental Requirements

|                       |        |
|-----------------------|--------|
| Temperature stability | 120 °C |
|-----------------------|--------|

## Commercial data

|                    |                                |
|--------------------|--------------------------------|
| Product Group      | 8 (Misc. Chassis Mount Blocks) |
| Country of origin  | CH                             |
| GTIN               | 4050821098799                  |
| Customs Tariff No. | 85369010000                    |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                               | Approval                                            | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------|------------------|
|    | <b>ENEC 05</b><br>DEKRA Certification B.V.          | EN 60998                 | 2128791.01       |
|  | <b>VDE</b><br>VDE Prüf- und Zertifizierungsinstitut | EN 61535                 | 40029808         |

## Downloads

### CAD/CAE - Smart Data

#### CAD data

|                      |     |          |
|----------------------|-----|----------|
| 3D Download 294-8035 | URL | Download |
|----------------------|-----|----------|

Subject to changes.