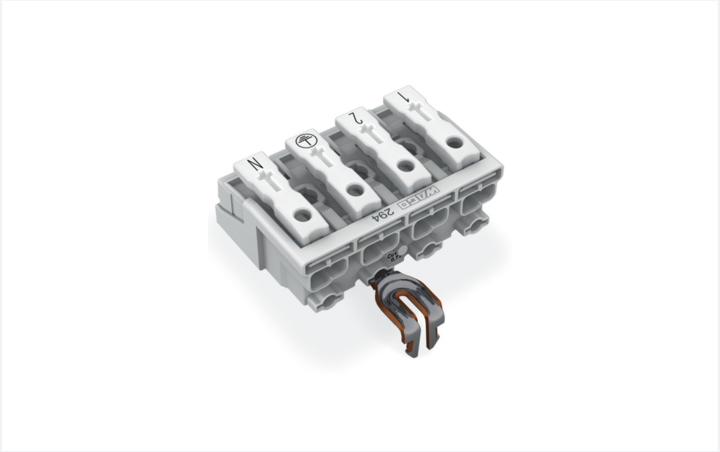
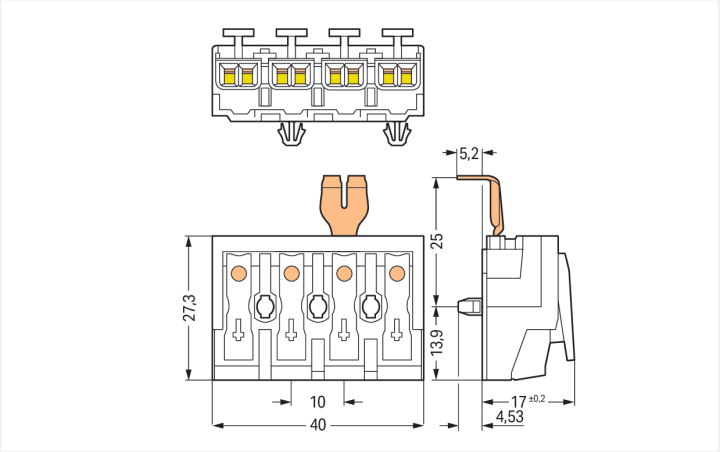
# Data Sheet | Item Number: 294-5214

Lighting connector; push-button, external; with snap-in ground contact; 4-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/294-5214






Color: white

Dimensions in mm

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

This field-wiring terminal block (item number 294-5214) is designed for easy and secure 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® and PUSH WIRE®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, offering a key advantage: both solid and fine-stranded conductors with ferrules can be directly inserted without the need for tools or any preparation, such as crimping the ferrule. Our trusted PUSH WIRE® connection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. Dimensions: (40 x 21.53 x 27.3) mm (width x height x depth). 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 ranging from 0.5 mm² to 2.5 mm² on the other side as well as conductor cross sections from 0.5 mm² to 2.5 mm² and from 0.5 mm² to 0.75 mm² depending on the conductor type.

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 | 20 |
| Total number of potentials | 4 |
| 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 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 | 4 |
| 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 mm² / 18 … 14 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.5 … 1 mm² / 18 … 16 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.5 … 1.5 mm² / 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 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 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 | 40 mm / 1.575 inches |
| Height | 21.53 mm / 0.848 inches |
| Height from the surface | 17 mm / 0.669 inches |
| Depth | 27.3 mm / 1.075 inches |


Continued on next page

## Mechanical data

| | |
|---|---|
| Marking | 1-2-⏚-N |
| Mounting type | Snap-in foot |

## 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 | 0.185 MJ |
| Halogen-free | Yes |
| Weight | 13.3 g |

## Environmental requirements

| | |
|---|---|
| Temperature stability | 120 °C |
| T marking | T85 |

## Commercial data

| | |
|---|---|
| Product Group | 8 (Misc. Chassis Mount Blocks) |
| PU (SPU) | 500 pcs |
| Packaging type | Bag |
| Country of origin | PL |
| GTIN | 4050821098393 |
| 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) | d37ffd08-45e6-4bfe-9e82-d41fd78b3532 |
| SCIP notification number (Belgium) | 2bbd8068-297e-47a7-89ff-e640d42e4a45 |
| SCIP notification number (Bulgaria) | c3519806-3881-4263-8daf-436ed1257d6d |
| SCIP notification number (Czech Republic) | 9354c865-aaf8-4745-a247-bde88302b9db |
| SCIP notification number (Denmark) | 9f8998af-96b9-4fc9-9b99-b56ff83183f7 |
| SCIP notification number (Finland) | a2389214-c598-458a-8d94-dc87504c19e6 |
| SCIP notification number (France) | 1e2bd28e-931a-433e-8a71-03a4521a49b3 |
| SCIP notification number (Germany) | d59ba168-b089-4b0c-bdbc-dafd2c7e3b68 |
| SCIP notification number (Hungary) | c45af7ef-c245-45d3-b2e2-270dcf068dc3 |
| SCIP notification number (Italy) | 397ebc1b-c9e3-41a1-8c20-051737514cb7 |
| SCIP notification number (Netherlands) | ceda994d-a63b-4832-ab9a-a0bd84e63af0 |
| SCIP notification number (Poland) | fa1a3bbb-0b26-4cfb-b893-4df94542e7c3 |
| SCIP notification number (Romania) | 4b727f21-8736-44d1-bbfa-535e0c2acfff |


Continued on next page

## Environmental Product Compliance

| | |
|---|---|
| SCIP notification number (Sweden) | 5e05610a-9775-401a-befc-4ac5e85160e6 |

## 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 294-5214

### Documentation

**Bid Text**

| | | |
|---|---|---|
| 294-5214 | 13.06.2017 | doc<br>28.00 KB |
| 294-5214 | 19.02.2019 | xml<br>5.58 KB |

### CAD/CAE-Data

**CAD data**

2D/3D Models 294-5214

**CAE data**

WSCAD Universe 294-5214

ZUKEN Portal 294-5214


Continued on next page

# 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

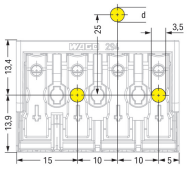
#### 1.1.2.2 Operating tool



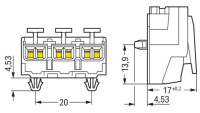
Item No.: 206-294
Disconnection tool; green

# Installation Notes

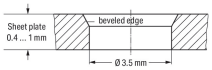
## Installation




4-pole – with snap-in ground contact, d = 4.9 mm

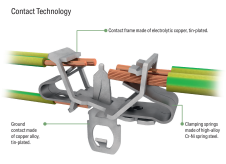



Snap-in foot



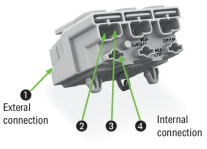

Drilled hole for snap-in mounting foot

## Conductor termination




| EUROPE |
|---|
| 1 x 0.5 … 2.5 mm² "s" |
| 1 x 0.5 … 1.5 mm² "s" |
| 1 x 0.5 … 0.75 mm² "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" |

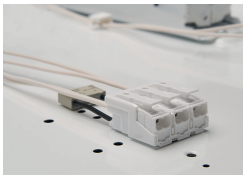
| EUROPE |
|---|
| 2 x 0.5 … 2.5 mm² "s, str, f-str" |
| AMERICA |
| 2 x AWG 18 … 12 "s" |
| 2 x AWG 18 … 14 "s, f-str" |
| JAPAN |
| 2 x 0.8 … 2 mm diam. "s" |
| 2 x 0.5 … 2 mm² "str, f-str" |

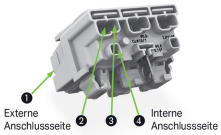



**Internal connection:**
PUSH WIRE® for internal wiring with solid conductors

**External connection:**
Push-in CAGE CLAMP® for field-wiring with all conductor types

## Conductor termination






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

