

## Data Sheet | Item Number: 294-5002

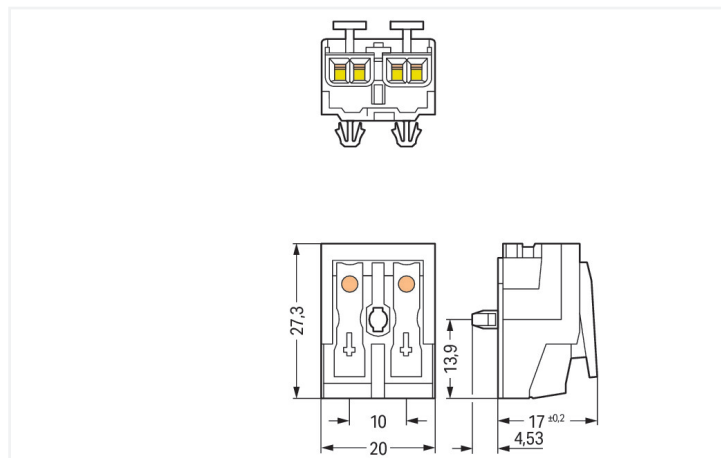
Lighting connector; push-button, external; without ground contact; 2-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm<sup>2</sup>; Surrounding air temperature: max 85°C (T85); white



<https://www.wago.com/294-5002>



Color: ■ white



Dimensions in mm

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

Connecting conductors is quick and easy with this field-wiring terminal block (item number 294-5002). Ensure that the strip lengths are between 8 and 9 mm when connecting conductors to this field-wiring terminal block. This product incorporates 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. It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing to use any tools—all thanks to its pluggable design. Our proven 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: (20 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 mm<sup>2</sup> to 2.5 mm<sup>2</sup> on one side and for conductor cross sections ranging from 0.5 mm<sup>2</sup> to 2.5 mm<sup>2</sup> on the other side as well as conductor cross sections from 0.5 mm<sup>2</sup> to 2.5 mm<sup>2</sup> and from 0.5 mm<sup>2</sup> to 0.75 mm<sup>2</sup> depending on the conductor type.

The contact surface is coated with tin.

### 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	10
Total number of potentials	2
Number of connection types	4
PE function	without 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 <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 insulated ferrule	0.5 ... 1.5 mm <sup>2</sup> / 18 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1.5 mm <sup>2</sup> / 18 ... 16 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 mm <sup>2</sup> / 18 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Pole number	2
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 <sup>2</sup> / 18 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 1 mm <sup>2</sup> / 18 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1.5 mm <sup>2</sup> / 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 <sup>2</sup> / 18 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 0.75 mm <sup>2</sup> / 18 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1 mm <sup>2</sup> / 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 <sup>2</sup> / 18 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

## Physical data

Pin spacing	10 mm / 0.394 inches
Width	20 mm / 0.787 inches
Height	21.53 mm / 0.848 inches
Height from the surface	17 mm / 0.669 inches
Depth	27.3 mm / 1.075 inches

### Mechanical data

Marking	plain
Mounting type	Snap-in foot

### Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	white
Material group	Illa
Insulation material (main housing)	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
Fire load	0.123 MJ
Halogen-free	Yes
Weight	6.4 g

### Environmental requirements

Temperature stability	120 °C
T marking	T85

### Commercial data

Product Group	8 (Misc. Chassis Mount Blocks)
PU (SPU)	1000 pcs
Packaging type	Foil
Country of origin	CH
GTIN	4050821020738
Customs tariff number	85369010000

### Product Classification

UNSPSC	39121402
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

REACH Candidate List Substance	Perfluorobutane sulfonic acid (PFBS) and its salts
RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Austria)	28459bdf-28c1-4b35-9514-07ec04d1d63c
SCIP notification number (Belgium)	889f5262-ccf7-4759-a4bf-79b04ba4ba97
SCIP notification number (Bulgaria)	52566dfe-181c-47ea-a21b-d59e7bbba78e
SCIP notification number (Czech Republic)	2af161b6-3ed7-4804-b942-b3eb3b4cd421
SCIP notification number (Denmark)	863628a9-54a8-497d-8645-fc0b37237dc6
SCIP notification number (Finland)	1af51ecc-0a3d-430f-b134-63a7d79ad5ce
SCIP notification number (France)	776aac95-5d8d-479b-9903-a2d86f2077a9
SCIP notification number (Germany)	f39d0fad-c360-40d8-bf47-c73c0bc3d9d8
SCIP notification number (Hungary)	98783f74-802d-4731-998a-7df838268a20
SCIP notification number (Italy)	38101813-4156-4dcc-aed3-04321e163de7
SCIP notification number (Netherlands)	4e629cba-fa29-43d5-8992-57d23411391a
SCIP notification number (Poland)	73848426-b1d4-4f6d-9fa7-eb41335e6ac1

**Environmental Product Compliance**

SCIP notification number (Romania)	488d99bb-d4ac-494b-987c-4bd388c5d655
SCIP notification number (Sweden)	9274c736-27e3-4977-89cb-e8c1031d4347

**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 Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

**Downloads**

**Environmental Product Compliance**

Compliance Search

Environmental Product Compliance 294-5002	↓
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**Documentation**

Bid Text

294-5002	19.02.2019	xml 5.57 KB	↓
294-5002	13.06.2017	doc 27.00 KB	↓

**CAD/CAE-Data**

CAD data

2D/3D Models 294-5002	↓
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CAE data

WSCAD Universe 294-5002	↓
ZUKEN Portal 294-5002	↓

## 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

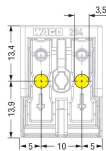


**Item No.: 206-294**

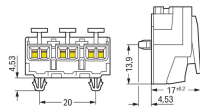
Disconnection tool; green

## Installation Notes

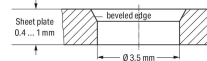
### Installation



2-pole – without ground contact

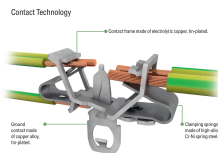


Snap-in foot



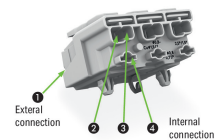
Drilled hole for snap-in mounting foot

## Conductor termination



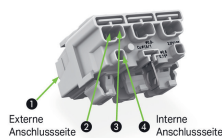
EUROPE	
1 x 0.5 ... 2.5 mm <sup>2</sup> *s*	
1 x 0.5 ... 1.5 mm <sup>2</sup> *s*	
1 x 0.5 ... 0.75 mm <sup>2</sup> *s*	
AMERICA	
1 x AWG 18 ... 14 *s*	
1 x AWG 18 ... 16 *s*	
1 x AWG 18 *s*	
JAPAN	
1 x 0.8 ... 1.6 mm diam. *s*	
1 x 0.8 ... 1 mm diam. *s*	
1 x 0.8 mm diam. *s*	

EUROPE	
2 x 0.5 ... 2.5 mm <sup>2</sup> *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 mm <sup>2</sup> *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



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

