

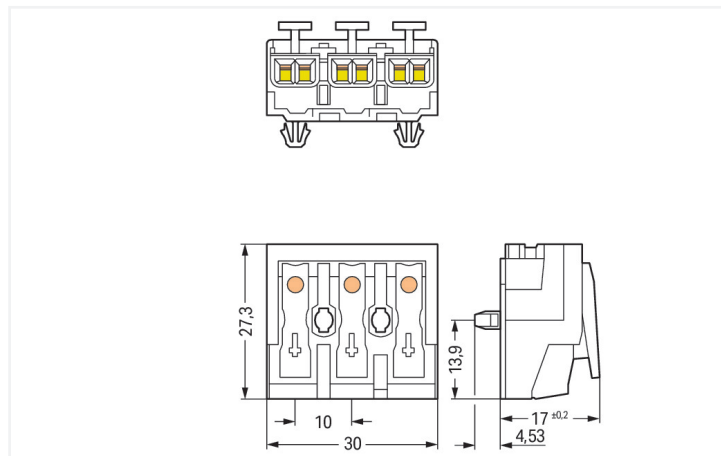
## Data Sheet | Item Number: 294-5043

Lighting connector; push-button, external; without ground contact; 3-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/294-5043>



Color: ■ white



Dimensions in mm

### Field-wiring terminal block, 294 Series, push-button

This field-wiring terminal block (item number 294-5043) is designed to connect conductors quickly and easily. Strip lengths must be 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 any type of conductor. 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 quick and simple method for connecting solid conductors. The dimensions are (30 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	15
Total number of potentials	3
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	3

### 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	30 mm / 1.181 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	3-2-1
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	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 <sub>Cu</sub> )
Contact Plating	Tin
Fire load	0.14 MJ
Halogen-free	Yes
Weight	9.2 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	Foil
Country of origin	CH
GTIN	4050821098256
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)	bf441729-d970-4de5-9592-524d141c28cd
SCIP notification number (Belgium)	800a7da9-8cf7-4139-8ac6-734f156a96d7
SCIP notification number (Bulgaria)	734ce1e5-521e-43ec-8326-e9505936ef8b
SCIP notification number (Czech Republic)	4fc31356-cf11-4609-a4c7-7495bd5ea98a
SCIP notification number (Denmark)	f810b911-5c32-45dd-bb49-741cc0bda46e
SCIP notification number (Finland)	22b5c839-9e89-4951-92c5-534338ae7795
SCIP notification number (France)	e1c1f934-253a-42f5-a545-d96e04966e9a
SCIP notification number (Germany)	c610f0a2-44d8-4821-8afa-27225325f408
SCIP notification number (Hungary)	525672d0-0192-4860-8237-f6e74d7406dd
SCIP notification number (Italy)	fe3f4312-e10b-4088-950d-9e36beeae4a7
SCIP notification number (Netherlands)	6eacef25-13cd-4c75-a6d5-af3c10c2acf1
SCIP notification number (Poland)	f532beb7-5f57-4c9c-8940-98d127f1efbd
SCIP notification number (Romania)	2d6d1d0e-0969-4f6e-8d40-8a7835b4fff5

**Environmental Product Compliance**

SCIP notification number (Sweden)

9577212c-826e-47c9-9344-eda5547928ae

**Approvals / Certificates**

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
ENEC 05 DEKRA Certification B.V.	EN 60998	2128791.01	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 294-5043	<a href="#">↓</a>

**Documentation**

Bid Text			
294-5043	19.02.2019	xml 5.57 KB	<a href="#">↓</a>
294-5043	13.06.2017	doc 27.00 KB	<a href="#">↓</a>

**CAD/CAE-Data**

CAD data		CAE data	
2D/3D Models 294-5043	<a href="#">↓</a>	WSCAD Universe 294-5043	<a href="#">↓</a>
		ZUKEN Portal 294-5043	<a href="#">↓</a>

## 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

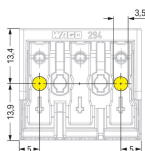


**Item No.: 206-294**

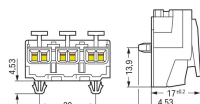
Disconnection tool; green

## Installation Notes

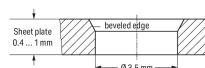
### Installation



3-pole – without ground contact

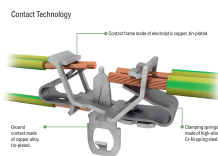


Snap-in foot



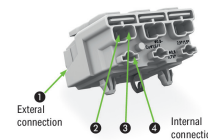
Drilled hole for snap-in mounting foot

## 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, 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.

