

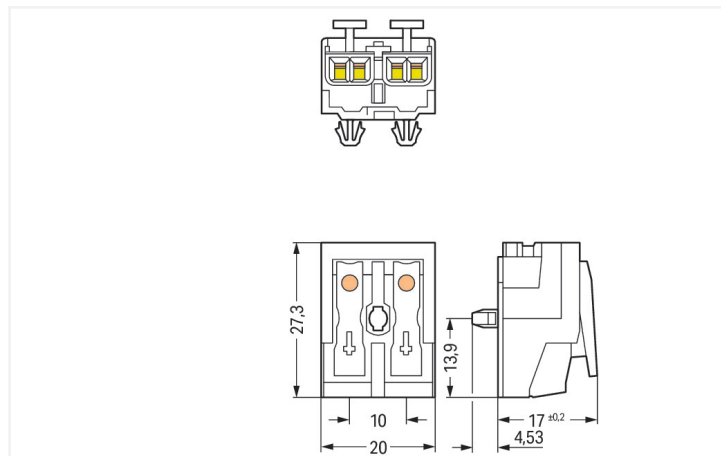
## Data Sheet | Item Number: 294-5052

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/294-5052>



Color: ■ white



Dimensions in mm

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

This field-wiring terminal block (item number 294-5052) is designed for quick and simple connections. 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® and PUSH WIRE®. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. Solid and fine-stranded conductors with ferrules can be plugged in without needing to use any tools—all thanks to its pluggable design. Our PUSH WIRE® connection uses the stiffness of the conductor to overcome the clamping spring's contact force, allowing you to clamp the conductor in place more quickly and easily. Dimensions: (20 x 21.53 x 27.3) mm (width x height x depth). Depending on the type of conductor, this field-wiring terminal block is designed 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 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 1.5 mm<sup>2</sup> and from 0.5 mm<sup>2</sup> to 0.75 mm<sup>2</sup>.

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
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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
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## 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	1-N
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	0.094 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	4050821098287
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)	49679648-fb5d-416d-af05-ee3398c80fbc
SCIP notification number (Belgium)	ac33c5c7-f7be-417f-b3f2-ca3dd0c0ef05
SCIP notification number (Bulgaria)	bc8cb15b-e234-471c-9f12-b4a46c2f2a2e
SCIP notification number (Czech Republic)	a5499fe4-749c-4061-b804-e5c29e258cf5
SCIP notification number (Denmark)	2e23db88-6daa-4281-8301-deae084ecc76
SCIP notification number (Finland)	73dd0926-fe57-48bd-9e50-cbf09344e001
SCIP notification number (France)	c3813186-8bfb-455c-8e1c-2de6c3510c03
SCIP notification number (Germany)	fa9cea4b-0e02-4935-8df9-ba49e959fc4c
SCIP notification number (Hungary)	abf7b274-a21c-4fc9-8b07-f60abb830f85
SCIP notification number (Italy)	62ed0df0-3fea-493c-ab29-7a4e55ae708f
SCIP notification number (Netherlands)	c123c7a3-b37c-401b-bca1-863eb2671bdb
SCIP notification number (Poland)	fdb9ca02-cc04-4794-8cbb-b3ba84963fbe
SCIP notification number (Romania)	cad187a9-5695-40ad-9cb4-04be57d1fa93

**Environmental Product Compliance**

SCIP notification number (Sweden)	6e1f6905-d2e9-4a18-9739-3820c0d3a696
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**Approvals / Certificates**

**General approvals**



Approval	Standard	Certificate Name
ENEC 05 DEKRA Certification B.V.	EN 60998	2128791.01

**Declarations of conformity and manufacturer's declarations**

Approval	Standard	Certificate Name
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 294-5052 <a href="#">↓</a>

**Documentation**

Bid Text			
294-5052	19.02.2019	xml 5.57 KB	<a href="#">↓</a>
294-5052	13.06.2017	doc 27.00 KB	<a href="#">↓</a>

**CAD/CAE-Data**

CAD data
2D/3D Models 294-5052 <a href="#">↓</a>

CAE data
WSCAD Universe 294-5052 <a href="#">↓</a>
ZUKEN Portal 294-5052 <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

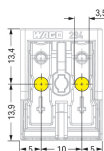


**Item No.: 206-294**

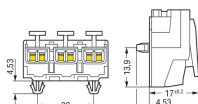
Disconnection tool; green

## Installation Notes

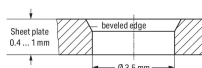
### Installation



2-pole – without ground contact

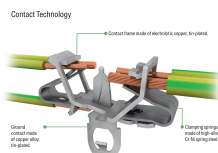


Snap-in foot



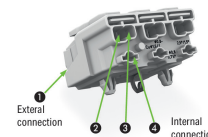
Drilled hole for snap-in mounting foot

## 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.

