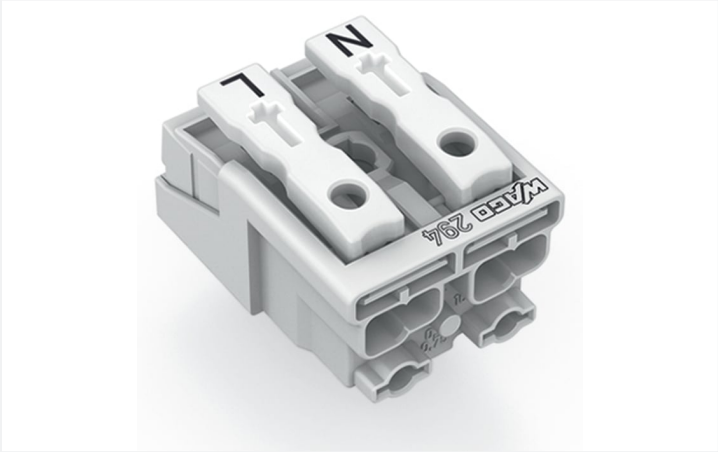
Data Sheet | Item Number: 294-4012

Lighting connector; push-button, external; without ground contact; 2-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²; Surrounding air temperature: max 85°C (T85); white

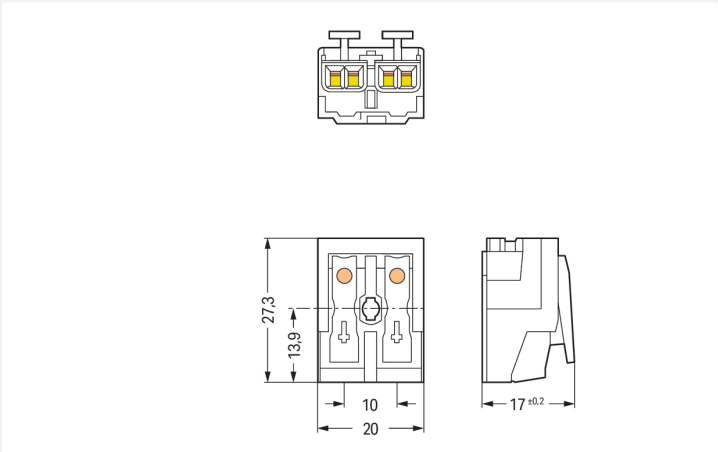
https://www.wago.com/294-4012





Color: white

Similar to illustration



Dimensions in mm

Field-wiring terminal block, 294 Series, Push-in

Our field-wiring terminal block (item number 294-4012) simplifies electrical installations. 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®. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. Solid and fine-stranded conductors with ferrules can be pushed in without needing to use any tools—all thanks to its pluggable design. Our tried-and-tested PUSH WIRE® connection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. The dimensions are (20 x 17 x 27.3) mm (width x height x depth). Depending on the type of conductor, this field-wiring terminal block is ideal for conductor cross sections ranging from 0.5 mm² to 2.5 mm² on one side and for conductor cross sections from 0.5 mm² to 2.5 mm² on the other side as well as conductor cross sections from 0.5 mm² to 1.5 mm² and from 0.5 mm² to 0.75 mm².

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	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 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	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 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

Continued on next page

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	20 mm / 0.787 inches
Height	17 mm / 0.669 inches
Depth	27.3 mm / 1.075 inches

Mechanical data

Marking	N-L
Mounting type	without snap-in mounting feet

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	0.093 MJ
Halogen-free	Yes
Weight	6.1 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	4050821097655
Customs tariff number	85369010000

Continued on next page

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)	0f09184a-eea9-468d-9921-980b435587fc
SCIP notification number (Belgium)	f593de18-3c96-4633-94c2-c03af6fb79f9
SCIP notification number (Bulgaria)	f5dd67a2-cd1a-44e3-a705-f5a080a65676
SCIP notification number (Czech Republic)	1c910e3b-ba29-483d-a4d1-40c06675b860
SCIP notification number (Denmark)	bda7becd-9355-4ab3-b567-719fae2632ca
SCIP notification number (Finland)	adf8f217-b8e6-4596-991c-d52cc380d681
SCIP notification number (France)	be963521-11da-4d2d-abe6-a061ed075edc
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SCIP notification number (Italy)	71d2ce78-459f-4d10-b6ea-1ed4cbe9cf05
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SCIP notification number (Sweden)	cd50a3f7-fc99-4cd0-9f6b-922da7d8cd38

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 294-4012

Continued on next page

Documentation

Bid Text

294-4012	19.02.2019	xml 5.57 KB	
294-4012	13.06.2017	doc 27.00 KB	

CAD/CAE-Data

CAD data

2D/3D Models 294-4012

CAE data

WSCAD Universe
294-4012

ZUKEN Portal 294-4012

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

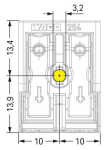


Item No.: 206-294
Disconnection tool; green

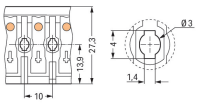
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Installation Notes

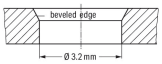
Installation



2-pole – without ground contact

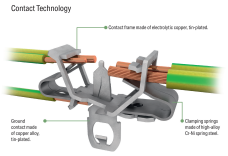


Mounting hole for screw
Notice: The maximum thread diameter for self-tapping screws is 3 mm.



Hole for screw mount
Notice: The maximum thread diameter for self-tapping screws is 3 mm.

Conductor termination

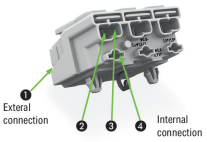


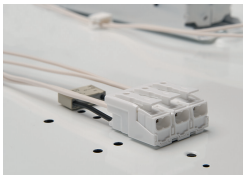
EUROPE
1 x 0.5 … 2.5 mm² "s"
1 x 0.5 … 1.5 mm² "s"
1 x 0.5 … 0.75 mm² "s"
AMERICA
1 x AWG 18 … 14 "s"
1 x AWG 18 … 16 "s"
1 x AWG 18 "s"
JAPAN
1 x 0.8 … 1.6 mm diam. "s"
1 x 0.8 … 1 mm diam. "s"
1 x 0.8 mm diam. "s"

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

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"

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





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

