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Data Sheet | Item Number: 294-4013

Lighting connector; push-button, external; without ground contact; N-PE-L; 3-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/294-4013

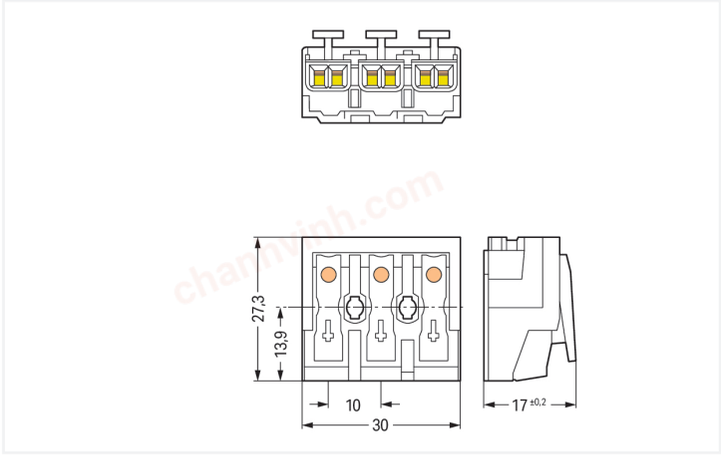


Color: white

Similar to illustration



Similar to illustration



Dimensions in mm

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

Our field-wiring terminal block (item number 294-4013) is designed for seamless electrical installations. Strip lengths must be between 8 and 9 mm when connecting conductors to this field-wiring terminal block. Featuring four conductor terminals along with Push-in CAGE CLAMP® as well as PUSH WIRE®, this product is highly versatile. Push-in CAGE CLAMP® technology provides a universal connection solution for all conductor types. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. Our reliable 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 (30 x 17 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.

The contact surface is tin-coated

- Actuation via push-button
- Compact sizes
- Permanently secure connections
- 3 connection points
- Pin spacing: 10 mm

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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 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
Number of poles	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 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

Connection 4

Strip length	8 … 9 mm / 0.31 … 0.35 inches

Continued on next page

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Physical data

Pin spacing	10 mm / 0.394 inches
Width	30 mm / 1.181 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	0.138 MJ
Halogen-free	Yes
Weight	9.2 g

Environmental requirements

Ambient temperature (installation)	-35 … +60 °C
Temperature stability	120 °C
Temperature marking per EN 60998	T85

Commercial data

Product Group	8 (Misc. Chassis Mount Blocks)
PU (SPU)	500 pcs
Packaging type	Foil
Country of origin	CH
GTIN	4050821097662
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

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Environmental Product Compliance

REACH Candidate List Substance	Perfluorobutane sulfonic acid (PFBS) and its salts
RoHS Compliance Status	Compliant,No Exemption
SCIP notification number (Austria)	bfdb4a4d-aa59-4e30-9877-a3ef4ba37159
SCIP notification number (Belgium)	2aca42d8-eef2-42dc-9c4e-bed282731fee
SCIP notification number (Bulgaria)	d63feab6-f099-4a58-a06d-2d8146affc08
SCIP notification number (Czech Republic)	f623570c-2df4-4415-8bf1-11c68b3118bb
SCIP notification number (Denmark)	b3282cb5-0e0d-4475-bddf-cf66a2a0d747
SCIP notification number (Finland)	4f27e650-2e58-4e50-9cc3-1ec222b98207
SCIP notification number (France)	1e4ee6cd-a4ce-43a7-ada4-30f00f54592a
SCIP notification number (Germany)	aa42ccb7-d773-45cd-880d-be327efffa64
SCIP notification number (Hungary)	0217fc7b-fa6a-4991-b873-7f429885e0ae
SCIP notification number (Italy)	27cc60d0-4200-41d5-9a0c-83c27207219a
SCIP notification number (Netherlands)	d11dd1c9-c455-4156-905b-985c7fa7429b
SCIP notification number (Poland)	5dcc4099-41df-4cb0-8044-871eed73dd29
SCIP notification number (Romania)	cc3f613c-c31e-4447-8dce-d20fccd23248
SCIP notification number (Sweden)	8420b400-62a4-4a57-a1c7-5f9a4f0f9570

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 294-4013

Documentation

Bid Text

294-4013	19.02.2019	xml 5.58 KB	
294-4013	13.06.2017	doc 27.50 KB	

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CAD/CAE-Data

CAD data	CAE data
2D/3D Models 294-4013	WSCAD Universe 294-4013
	ZUKEN Portal 294-4013

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

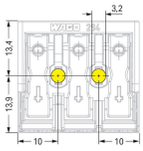
1.1.2.2 Operating tool



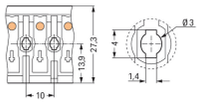
Item No.: 206-294
Disconnection tool; green

Installation Notes

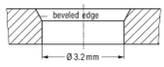
Installation



3-pole – without ground contact



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



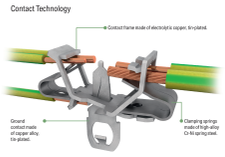
Hole for screw mount
Notice: The maximum thread diameter for self-tapping screws is 3 mm.

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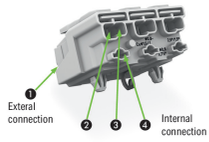
https://www.wago.com/294-4013

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"

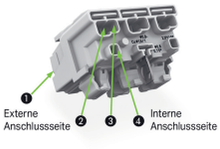
EUROPE
2 x 0.5 … 2.5 mm² "s, str, f-str"
AMERICA
2 x AWG 18 … 12 "s"
2 x AWG 18 … 14 "s, f-str"
JAPAN
2 x 0.8 … 2 mm diam. "s"
2 x 0.5 … 2 mm² "str, f-str"



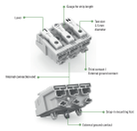
Internal connection:
PUSH WIRE® for internal wiring with solid conductors

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





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



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