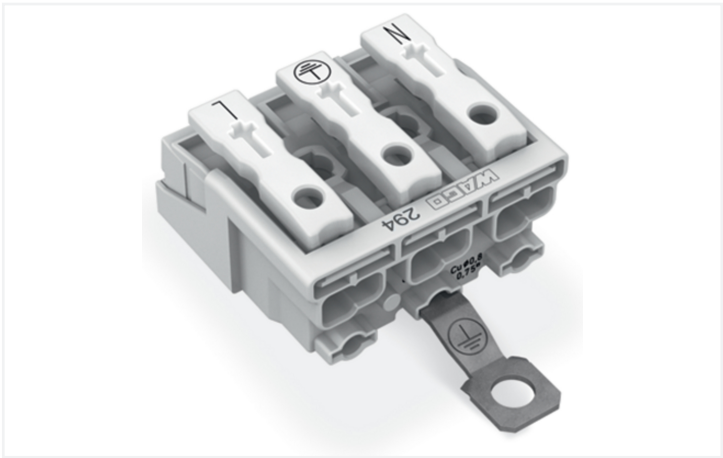


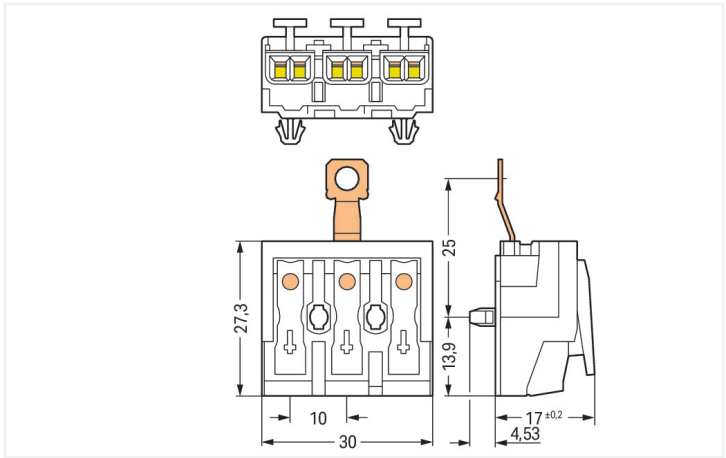
Data Sheet | Item Number: 294-5413

Lighting connector; push-button, external; with screw-type 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/294-5413>



Color: white



Dimensions in mm

Field-wiring terminal block, 294 Series, white

This field-wiring terminal block (item number 294-5413) streamlines wire connections, making them both quick and easy. Conductors should only be connected to this field-wiring terminal block if their strip length is between 8 mm and 9 mm. This product incorporates four conductor terminals and utilizes Push-in CAGE CLAMP® and 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 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. Dimensions: 30 x 21.53 x 27.3 mm (width x height x depth). Depending on the type of conductor, 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 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. There are fifteen clamping points available for connecting three different potentials / three poles. The clamping spring is made of chrome-nickel spring steel (CrNi), the contacts are made of electrolytic copper (ECu), and the white housing is made of polycarbonate (PC) for insulation. 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 surge 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 surge voltage	-	-	4 kV	
Rated current	-	-	24 A	



Connection data

Clamping units	15
Total number of potentials	3
Number of connection types	4
PE function	Screw-type 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	3
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

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	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	N-⊕-L	
Mounting type	Snap-in foot	

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	0.094 MJ	
Halogen-free	Yes	
Weight	9.7 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	Bag	
Country of origin	PL	
GTIN	4050821020806	
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 8.0	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)	f05376db-10ff-40e1-a6cd-75f67b014b25	
SCIP notification number (Belgium)	d2a9d00c-f873-4989-a37c-0302ebec3048	
SCIP notification number (Bulgaria)	9c99ab35-59b5-4f12-bdad-39d89db47dbf	
SCIP notification number (Czech Republic)	063325ac-93c1-4f92-b154-3ab64eaba91a	
SCIP notification number (Denmark)	f0880a50-9801-461c-b412-76d231b3ab2d	
SCIP notification number (Finland)	2e2d72d8-48f6-4128-8ea5-8c6c9f80ecd5	
SCIP notification number (France)	2962d921-90da-45dc-8252-c8cfce09d2bc	
SCIP notification number (Germany)	110fef0c-78e8-44e4-bbff-0d282bdce3b3	
SCIP notification number (Hungary)	0dc0c454-8231-4c35-820d-894a94d1fa3a	
SCIP notification number (Italy)	d983fd45-cfda-4f01-9f00-503c12d15d7b	
SCIP notification number (Netherlands)	ab1ac0f7-14a5-4fab-a4b7-aba81ebb2084	
SCIP notification number (Poland)	78334854-85ee-4e04-a6c7-a38ea8a35975	




Environmental Product Compliance	
SCIP notification number (Romania)	ae74c2d0-5bab-4d84-ad8a-2569c9271c55
SCIP notification number (Sweden)	478d45c1-4700-4f22-b3d8-1afa3bd7a1ed



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 294-5413	

Documentation			
Bid Text			
294-5413	19.02.2019	xml 5.58 KB	
294-5413	13.06.2017	doc 28.00 KB	

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 294-5413 	WSCAD Universe 294-5413 
	ZUKEN Portal 294-5413 

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

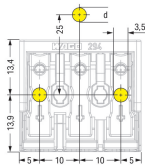
1.1.2.2 Operating tool



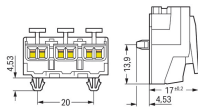
Item No.: 206-294
Disconnection tool; green

Installation Notes

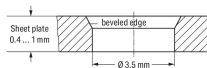
Installation



3-pole – with screw-type ground contact, $d \leq 4.1 \text{ mm}$

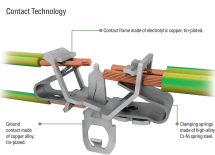


Snap-in foot



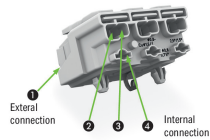
Drilled hole for snap-in mounting foot

Conductor termination



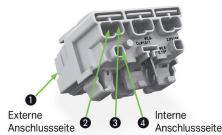
EUROPE
1 x 0.5 ... 2.5 mm ² "s"
1 x 0.5 ... 1.5 mm ² "s"
1 x 0.5 ... 0.75 mm ² "s"
AMERICA
1 x AWG 18 ... 14 "s"
1 x AWG 18 ... 16 "s"
1 x AWG 18 "s"
JAPAN
1 x 0.8 ... 1.6 mm diam. "s"
1 x 0.8 ... 1 mm diam. "s"
1 x 0.8 mm diam. "s"

EUROPE
2 x 0.5 ... 2.5 mm ² "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 ² "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.

