

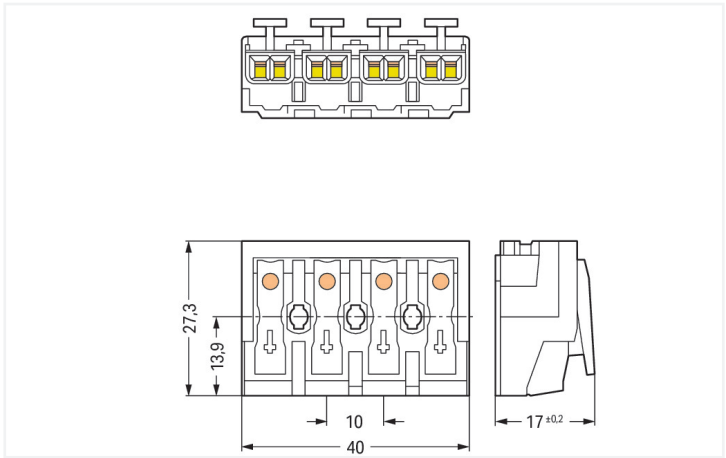
Data Sheet | Item Number: 294-4014

Lighting connector; push-button, external; without ground contact; 4-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/294-4014>



Color: white



Dimensions in mm

Field-wiring terminal block, 294 Series, with 10 mm pin spacing

Our field-wiring terminal block (item number 294-4014) makes connections quick and easy. Ensure that the strip lengths are between 8 mm 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®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, featuring a winning design: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. 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. Depending on the type of conductor, this field-wiring terminal block is designed 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. Four potentials can connect four poles using the twenty clamping points. 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	20
Total number of potentials	4
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	4
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	40 mm / 1.575 inches
Height	17 mm / 0.669 inches
Depth	27.3 mm / 1.075 inches



Mechanical data		
Marking	1-2-⊕-N	
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	0.24 MJ	
Halogen-free	Yes	
Weight	12.2 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	4050821097679	
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)	8a9937eb-f3d1-49fb-b86d-f0e1781e2681	
SCIP notification number (Belgium)	0c421c4b-820e-489f-8d91-20a444d0436a	
SCIP notification number (Bulgaria)	720baf07-9262-4bc9-b95c-160a2c9502f3	
SCIP notification number (Czech Republic)	72bbdd4c-45cb-45fd-ab00-99fd69f39fc2	
SCIP notification number (Denmark)	d1fc27a5-1994-43e9-90df-2907356b556d	
SCIP notification number (Finland)	ee3b3c9d-4403-4e70-a8e9-82da24e443b1	
SCIP notification number (France)	88d1a07d-815b-43db-a00c-154157e18926	
SCIP notification number (Germany)	424284c7-382d-4be9-a0dd-d98e26995b02	
SCIP notification number (Hungary)	61e783c9-d1c1-44f6-b429-f5f72d1bdcd7	
SCIP notification number (Italy)	27f8c0ab-500e-4613-8be5-f2fe6fe55c47	
SCIP notification number (Netherlands)	6500901a-8a08-42be-9aa9-64cd4224cc38	
SCIP notification number (Poland)	e3294895-a420-4f0e-8fb0-2bd414cdfab4	




Environmental Product Compliance	
SCIP notification number (Romania)	63e0d8bf-476a-44f5-a753-5a49e2d7bdee
SCIP notification number (Sweden)	ce9c7f93-d87e-4b70-9371-5e5a5f4c420e



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
		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 294-4014	

Documentation

Bid Text			
294-4014	19.02.2019	xml 5.58 KB	
294-4014	13.06.2017	doc 27.50 KB	

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 294-4014 	WSCAD Universe 294-4014 
	ZUKEN Portal 294-4014 



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

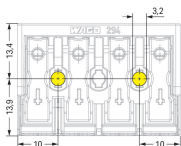
1.1.2.2 Operating tool



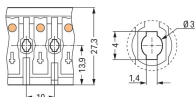
Item No.: 206-294
Disconnection tool; green

Installation Notes

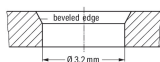
Installation



4-pole – without ground contact

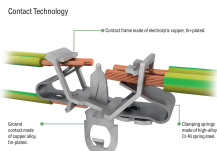


Mounting hole for screw
Notice: The maximum thread diameter for self-tapping screws is 3 mm.



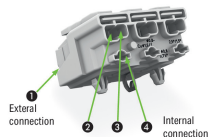
Hole for screw mount
Notice: The maximum thread diameter for self-tapping screws is 3 mm.

Conductor termination



EUROPE
1 x 0.5 ... 2.5 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"

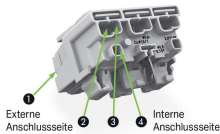


Internal connection:
PUSH WIRE® for internal wiring with solid conductors

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



Conductor termination



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

