

Data Sheet | Item Number: 294-4002

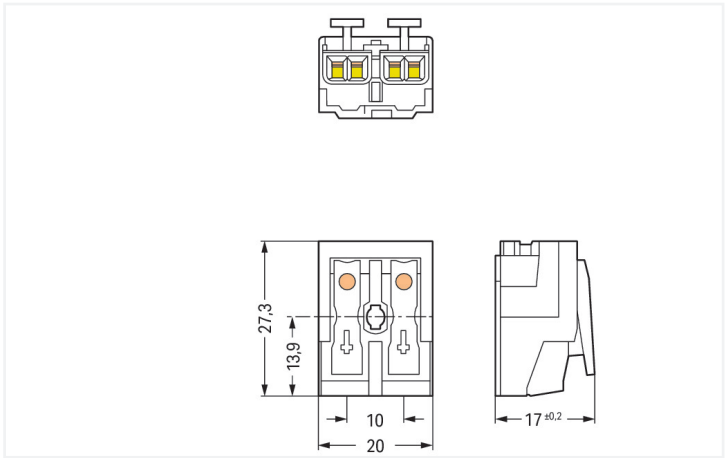
Lighting connector; push-button, external; without ground contact; 2-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²; Surrounding air temperature: max 85°C (T85); white

<https://www.wago.com/294-4002>



Color: white

Similar to illustration



Dimensions in mm

Field-wiring terminal block, 294 Series, push-button

This field-wiring terminal block (item number 294-4002) is designed for easy and secure connections. Conductors should only be connected to this field-wiring terminal block if their strip length is between 8 and 9 mm . This product incorporates 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. It allows direct insertion of both solid and fine-stranded conductors with ferrules without the need for tools—all thanks to its pluggable design. 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. Dimensions: (20 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 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

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

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	plain
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	4050821097594
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	
REACH Candidate List Substance	Perfluorobutane sulfonic acid (PFBS) and its salts
RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Austria)	b58bcb0f-fe0a-4f4a-be57-ca62ec4ddcc2
SCIP notification number (Belgium)	3d883f5c-09c6-432c-bc5f-1093b6039b27
SCIP notification number (Bulgaria)	f5ece1be-eed7-4767-a42f-86dd7559c564
SCIP notification number (Czech Republic)	ed9956a2-0d63-4556-af75-fcb290c468a3
SCIP notification number (Denmark)	0dae9b4c-41a2-4be3-97c2-5cc1c2fdd03d
SCIP notification number (Finland)	9ac77f7c-6edb-4e76-a2ff-cdaebdf962c6
SCIP notification number (France)	f4bb6457-d345-4079-be69-14052b68d6cb
SCIP notification number (Germany)	bc3eabbd-051f-4d5a-8985-d698d264ebb9
SCIP notification number (Hungary)	3ca30147-74bc-4761-a282-7339cff7ddb2
SCIP notification number (Italy)	fd1acc40-2dfa-486f-bac5-b4e58175bb5f
SCIP notification number (Netherlands)	fb85d645-ca2b-4ebe-8d25-8c7e89cba1aa
SCIP notification number (Poland)	4890ad41-7d01-48b1-b2e2-ca41c2322f57



Environmental Product Compliance	
SCIP notification number (Romania)	051cbfa2-251e-4085-bb5c-5079f5cd13f5
SCIP notification number (Sweden)	67ebf2ad-057e-47dd-abb9-0f1d225882cf

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 294-4002	

Documentation			
Bid Text			
294-4002	19.02.2019	xml 5.57 KB	
294-4002	13.06.2017	doc 27.00 KB	

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 294-4002	WSCAD Universe 294-4002
	ZUKEN Portal 294-4002

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

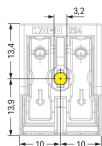
1.1.2.2 Operating tool



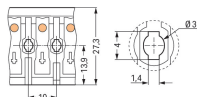
Item No.: 206-294
Disconnection tool; green

Installation Notes

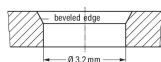
Installation



2-pole – without ground contact

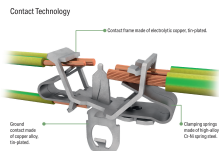


Mounting hole for screw
Notice: The maximum thread diameter for self-tapping screws is 3 mm.



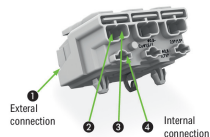
Hole for screw mount
Notice: The maximum thread diameter for self-tapping screws is 3 mm.

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"

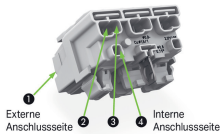
EUROPE
2 x 0.5 ... 2.5 mm ² "s, str, f-str"
AMERICA
2 x AWG 18 ... 12 "s"
2 x AWG 18 ... 14 "s, f-str"
JAPAN
2 x 0.8 ... 2 mm diam. "s"
2 x 0.5 ... 2 mm ² "str, f-str"



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.

