

Data Sheet | Item Number: 294-4414

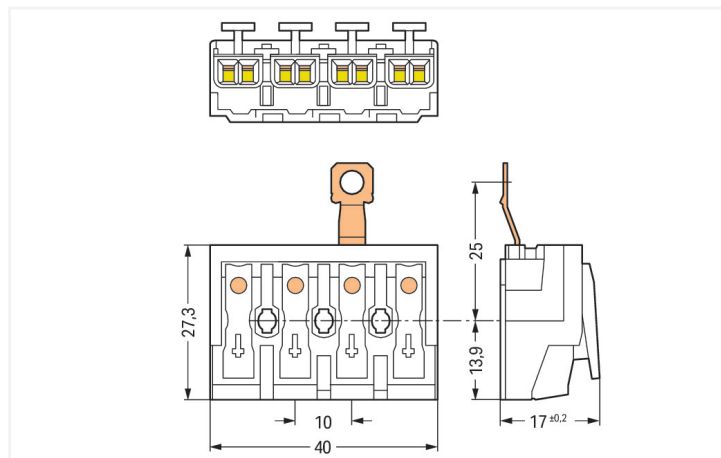
Lighting connector; push-button, external; with screw-type ground contact; 4-pole;
 Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²;
 Surrounding air temperature: max 85°C (T85); white



<https://www.wago.com/294-4414>



Color: ■ white



Dimensions in mm

Field-wiring terminal block, 294 Series, white

Easily, quickly and safely connect conductors with this field-wiring terminal block (item number 294-4414). Conductors can only be connected to this field-wiring terminal block if their strip length is between 8 and 9 mm. This product features four conductor terminals and utilizes Push-in CAGE CLAMP® as well as 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 PUSH WIRE® connection offers a quick and easy solution for connecting solid conductors. The dimensions are (40 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	20
Total number of potentials	4
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 mm ² / 18 ... 12 AWG
Solid conductor; push-in termination	0.5 ... 2.5 mm ² / 18 ... 12 AWG
Stranded conductor	0.5 ... 2.5 mm ² / 18 ... 14 AWG
Fine-stranded conductor	0.5 ... 2.5 mm ² / 18 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 1.5 mm ² / 18 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1.5 mm ² / 18 ... 16 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 mm ² / 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 mm ² / 18 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 1 mm ² / 18 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1.5 mm ² / 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 mm ² / 18 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 0.75 mm ² / 18 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1 mm ² / 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 mm ² / 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	Illa
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	12.8 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	4050821098058
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)	6fa5888c-b6eb-4776-9194-85f54384c2cd
SCIP notification number (Belgium)	bfb8926f-6e34-42e0-a108-99a8b23c4f74
SCIP notification number (Bulgaria)	16923135-3b77-4686-934e-76d6c14907b7
SCIP notification number (Czech Republic)	21b1a493-9893-4978-96b9-b521742f033c
SCIP notification number (Denmark)	c3c2eea9-1b36-41cd-b6e6-b6ab0935381d
SCIP notification number (Finland)	61b5650a-d07c-4537-aab2-12323a8ad872
SCIP notification number (France)	87009e1f-e387-4bfe-bb2f-23ab11601661
SCIP notification number (Germany)	06b94ad5-414f-4be0-8309-feece7cd2d92f
SCIP notification number (Hungary)	db4be4e2-4c0c-49b5-afe0-ff21e4ba24f6
SCIP notification number (Italy)	0e3a4b0f-5842-456d-92c3-166fb350024e
SCIP notification number (Netherlands)	797402d2-ccd8-4f57-9a72-3a8802ac05bf
SCIP notification number (Poland)	2f8a821f-4770-4937-a496-174c8303bd92

Environmental Product Compliance

SCIP notification number (Romania)	dc723002-2be5-4aff-b6f1-78a1ef861121
SCIP notification number (Sweden)	bdd4d5a7-1c0a-475b-a76c-eda361dac545

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 Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 294-4414

Documentation

Bid Text			
294-4414	19.02.2019	xml 5.58 KB	
294-4414	13.06.2017	doc 28.00 KB	

CAD/CAE-Data

CAD data
2D/3D Models 294-4414

CAE data
WSCAD Universe 294-4414
ZUKEN Portal 294-4414

Conductor termination



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

