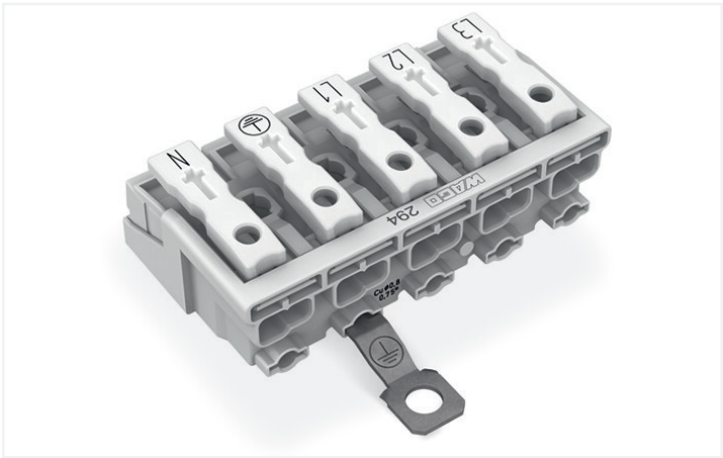


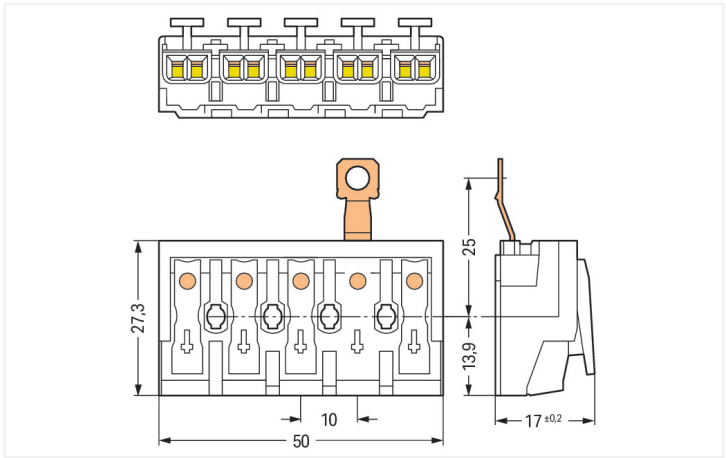
Data Sheet | Item Number: 294-4415

Lighting connector; push-button, external; with screw-type ground contact; 5-pole;
Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²;
Surrounding air temperature: max 85°C (T85); 2,50 mm²; white

<https://www.wago.com/294-4415>



Color: white



Dimensions in mm

- External connection of solid, stranded and fine-stranded conductors
- Universal conductor termination (AWG, metric)
- Third contact located at the bottom of internal connection end
- Strain relief plate can be retrofitted

Electrical data									
Ratings per		IEC/EN 60998-1			Ratings per		IEC/EN 60998-2-2		
Overvoltage category		III	III	II	Overvoltage category		III	III	II
Pollution degree		3	2	2	Pollution degree		3	2	2
Nominal voltage		-	-	500 V	Nominal voltage		-	-	500 V
Rated surge voltage		-	-	4 kV	Rated surge voltage		-	-	4 kV
Rated current		-	-	24 A	Rated current		-	-	24 A

Connection data									
Connection points	25	Connection 1							
Total number of potentials	5	Connection type 1	External 1						
Number of connection types	4	Connection technology	Push-in CAGE CLAMP®						
PE function	Screw-type PE contact	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	5						
		Wiring direction	Side-entry wiring						



Connection 2	
Connection type 2	Internal 2
Connection technology 2	PUSH WIRE®
Number of connection points 2	1
Actuation type 2	Push-in
Solid conductor 2	0.5 ... 2.5 mm² / 18 ... 14 AWG
Fine-stranded conductor; with insulated ferrule 2	0.5 ... 1 mm² / 18 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule 2	0.5 ... 1.5 mm² / 18 ... 14 AWG
Strip length 2	8 ... 9 mm / 0.31 ... 0.35 inches

Connection 4	
Connection type 4	Internal 4
Connection technology 4	PUSH WIRE®
Number of connection points 4	1
Actuation type 4	Push-in
Solid conductor 4	0.5 ... 0.75 mm² / 18 AWG
Strip length 4	8 ... 9 mm / 0.31 ... 0.35 inches

Physical data		
Pin spacing		10 mm / 0.394 inches
Width		50 mm / 1.969 inches
Height from the surface		17 mm / 0.669 inches
Depth		27.3 mm / 1.075 inches

Mechanical data		
Marking		L3-L2-L1- -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		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		0.301 MJ
Halogen-free		Yes
Weight		15.8 g



Environmental requirements	
Temperature stability	120 °C
T marking	T85
Commercial data	
Product Group	8 (Misc. Chassis Mount Blocks)
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
PU (SPU)	250 pcs
Packaging type	Bag
Country of origin	PL
GTIN	4050821098065
Customs tariff number	85369010000
Environmental Product Compliance	
CAS-No.	131651-65-5 144317-44-2 220133-51-7 220689-12-3 25628-08-4 29420-49-3 375-73-5 503155-89-3 507453-86-3 68259-10-9
REACH Candidate List Substance	Perfluorobutane sulfonic acid (PFBS) and its salts
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	a90e1056-0698-4f2d-97f7-c996967280e6
SCIP notification number (Belgium)	1335a1c4-7916-4a69-ba50-2f8bd112ba68
SCIP notification number (Bulgaria)	5e927557-6418-48bd-bdd2-cf77e542dd45
SCIP notification number (Czech Republic)	6380b8a7-6293-4164-84e8-5d4ca88dcb1c
SCIP notification number (Denmark)	84963326-dc22-49d4-a83b-9b3c94188334
SCIP notification number (Finland)	939c81a0-5385-4543-8faa-d64110eb67d8
SCIP notification number (France)	9aaf1447-747c-434d-998f-18029a64821a
SCIP notification number (Germany)	021fd41b-4f65-4a7c-bf36-1c3e40d1de72
SCIP notification number (Hungary)	ce33564f-887d-4bb0-a98f-6ef717f12ffa
SCIP notification number (Italy)	0e1ac832-e41a-47f5-acd1-21c542328c55
SCIP notification number (Netherlands)	078c7ce5-2aca-4fbf-a5f9-6cb9774fe3bf
SCIP notification number (Poland)	5f1a516d-6067-478a-9b31-3215a8d649e3
SCIP notification number (Romania)	c0296dcb-fbb6-4bc5-b90d-ed5b6a4d1331
SCIP notification number (Sweden)	1ee3b870-1486-4a40-a36c-7a3e1afc5b85



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 Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 294-4415



Documentation

Additional Information
Technical Section
pdf 2240.62 KB



Bid Text
294-4415
19.02.2019
xml 5.59 KB
294-4415
13.06.2017
doc 28.50 KB



CAD/CAE-Data

CAD data
2D/3D Models 294-4415



CAE data
WSCAD Universe 294-4415
ZUKEN Portal 294-4415



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

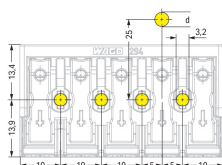
Strain relief plate; for 294 Series; for single strands; 3- to 5-pole; with secured clamp; white

1.1.2.2 Operating tool



Disconnection tool; green

Installation

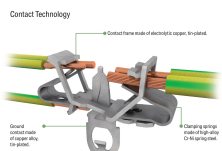


The technical drawing shows the end view of the shaft-hub assembly. The shaft has a diameter of 16 mm. The hub has an outer diameter of 27.3 mm and an inner bore diameter of 13.9 mm. The thickness of the hub is 4 mm. The distance from the center of the shaft to the center of the hole in the hub is 1.4 mm.

Technical drawing showing a cross-section of a beveled edge. The bevel is labeled "beveled edge" and the dimension is given as 3.2 mm.

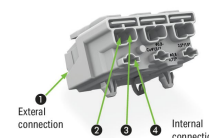
Hole for screw mount
Notice: The maximum thread diameter for self-tapping screws is 3 mm.

Conductor termination



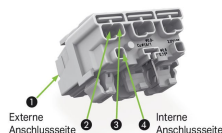
EUROPE
1x 0.5 ... 2.5 mm ² "S"
1x 0.5 ... 1.5 mm ² "S"
1x 0.5 ... 0.75 mm ² "S"
AMERICA
1x AWG 18 ... 14 "S"
1x AWG 18 ... 16 "S"
1x AWG 18 "S"
JAPAN
1x 0.8 ... 1.6 mm diam. "S"
1x 0.8 ... 1 mm diam. "S"
1x 0.8 mm diam. "S"

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, str [*]
JAPAN
2 x 0.8 ... 2 mm diam. "s"
2 x 0.5 ... 2 mm ² s [*] 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.

