

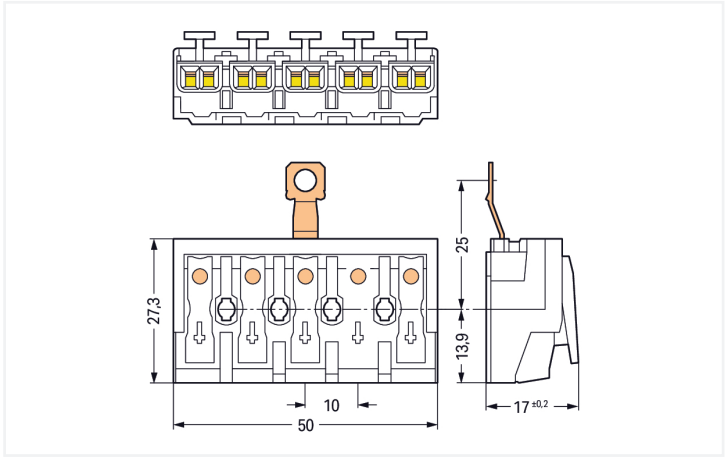
Data Sheet | Item Number: 294-4415

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; Sur-
rounding air temperature: max 85°C (T85); white

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



Color: ■ white



Dimensions in mm

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

This field-wiring terminal block (item number 294-4415) streamlines wire connections, making them both quick and easy. Ensure that the strip lengths are between 8 and 9 mm when connecting conductors to this field-wiring terminal block. This product features four conductor terminals and utilizes Push-in CAGE CLAMP® and PUSH WIRE®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, offering a key advantage: both solid and fine-stranded conductors with ferrules can be directly inserted without the need for tools or any preparation, such as crimping the ferrule. Our PUSH WIRE® connection is the simple and reliable method for connecting solid conductors. The item's dimensions are (50 x 17 x 27.3) mm (width x height x depth). Depending on the conductor type, 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.

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	25
Total number of potentials	5
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	5
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	50 mm / 1.969 inches
Height	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 (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		0.229 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)
PU (SPU)		250 pcs
Packaging type		Bag
Country of origin		PL
GTIN		4050821098065
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		
RoHS Compliance Status		Compliant, No Exemption
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)		c0296dcf-fbb6-4bc5-b90d-ed5b6a4d1331

Environmental Product Compliance	
SCIP notification number (Sweden)	1ee3b870-1486-4a40-a36c-7a3e1afc5b85

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									
		<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Conformity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Conformity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr></table>	Approval	Standard	Certificate Name	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-
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 294-4415	

Documentation

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	CAE data
2D/3D Models 294-4415 	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

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

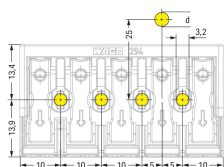


Item No.: 206-294

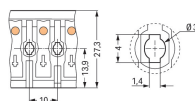
Disconnection tool; green

Installation Notes

Installation

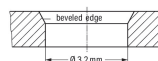


5-pole – with screw-type ground contact, d
≤ 4.1 mm



Mounting hole for screw

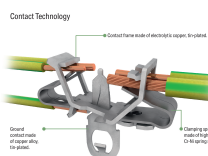
Notice: The maximum thread diameter for self-tapping screws is 3 mm.



Hole for screw mount

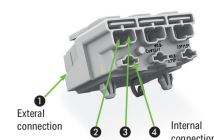
Notice: The maximum thread diameter for self-tapping screws is 3 mm.

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 ³ s, str, f-str ^a
AMERICA
2 x AWG 18 ... 12 "s"
2 x AWG 18 ... 14 "s, f-str ^a
JAPAN
2 x 0.8 ... 2 mm diam. "s"
2 x 0.5 ... 2 mm ³ str, f-str ^a



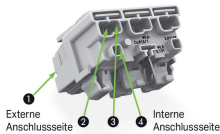
Internal connection:

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.

