

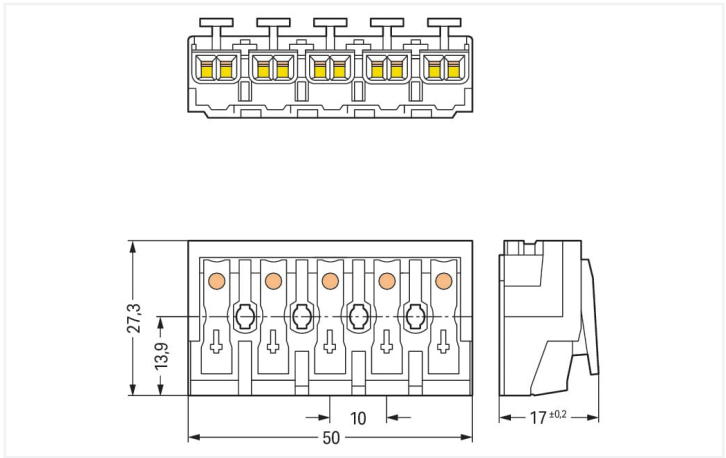
Data Sheet | Item Number: 294-4045

Lighting connector; push-button, external; without 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/294-4045>



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 Connection type 1 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 5 Wiring direction Side-entry wiring
Total number of potentials	5	
Number of connection types	4	
PE function	without PE contact	

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 3

Connection type 3	Internal 3
Connection technology 3	PUSH WIRE®
Number of connection points 3	1
Actuation type 3	Push-in
Solid conductor 3	0.5 ... 1.5 mm² / 18 ... 16 AWG
Fine-stranded conductor; with insulated ferrule 3	0.5 ... 0.75 mm² / 18 AWG
Fine-stranded conductor; with uninsulated ferrule 3	0.5 ... 1 mm² / 18 AWG
Strip length 3	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	5-4-3-2-1
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	15.2 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	Foil
Country of origin	CH
GTIN	4050821097785
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)	b6a04468-23d1-41b5-9924-2990b203786c
SCIP notification number (Belgium)	41561e0c-2f50-4255-a3c1-647fa9cb1c61
SCIP notification number (Bulgaria)	9f4707b1-4022-41ba-be96-6ceafda008f6
SCIP notification number (Czech Republic)	4f6b0943-dcc6-4859-a4bf-d4b16f9b4e4e
SCIP notification number (Denmark)	66d226ea-761f-41f5-b160-8ab15fb6bca8
SCIP notification number (Finland)	f720d1e6-0129-4b96-a103-174819d27dc4
SCIP notification number (France)	db411323-d200-4b6c-842f-384faaf3f2bb
SCIP notification number (Germany)	23104880-4b6c-4a00-81fe-905a6d82b98e
SCIP notification number (Hungary)	87368c7d-a41d-47a3-a426-35e51151660d
SCIP notification number (Italy)	b7b16a4d-fbd9-488b-a1f7-e69f52d10e4b
SCIP notification number (Netherlands)	e1663b97-efc4-46af-ba76-8256e9d166e9
SCIP notification number (Poland)	aaacdc27-958a-4d06-9c58-42beb13879ed
SCIP notification number (Romania)	19e7534c-a6f0-4249-a9d3-886b1d8b5990
SCIP notification number (Sweden)	4008938d-d52d-4751-892a-4390b4012912



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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product
Compliance 294-4045

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Documentation

Additional Information

Technical Section pdf
2240.62 KB

↓

Bid Text

294-4045	13.06.2017	doc 28.50 KB	↓
294-4045	19.02.2019	xml 5.58 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models
294-4045

↓

CAE data

WSCAD Universe
294-4045

↓

ZUKEN Portal
294-4045

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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

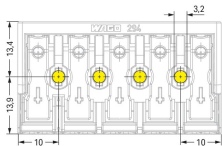


Item No.: 206-294

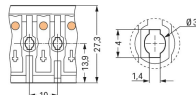
Disconnection tool; green

Installation Notes

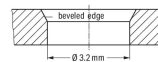
Installation



5-pole – without ground contact

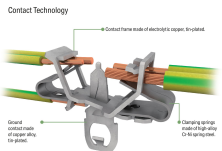


Mounting hole for screw
Notice: The maximum thread diameter for self-tapping screws is 3 mm.



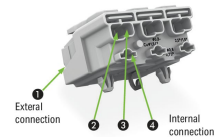
Hole for screw mount
Notice: The maximum thread diameter for self-tapping screws is 3 mm.

Conductor termination



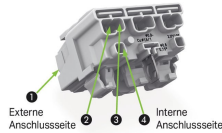
EUROPE
1 x 0.5 ... 2.5 mm ² "s"
1 x 0.5 ... 1.5 mm ² "s"
1 x 0.5 ... 0.75 mm ² "s"
AMERICA
1 x AWG 18 ... 14 "s"
1 x AWG 18 ... 16 "s"
1 x AWG 18 "s"
JAPAN
1 x 0.8 ... 1.6 mm diam. "s"
1 x 0.8 ... 1 mm diam. "s"
1 x 0.8 mm diam. "s"

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



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

