

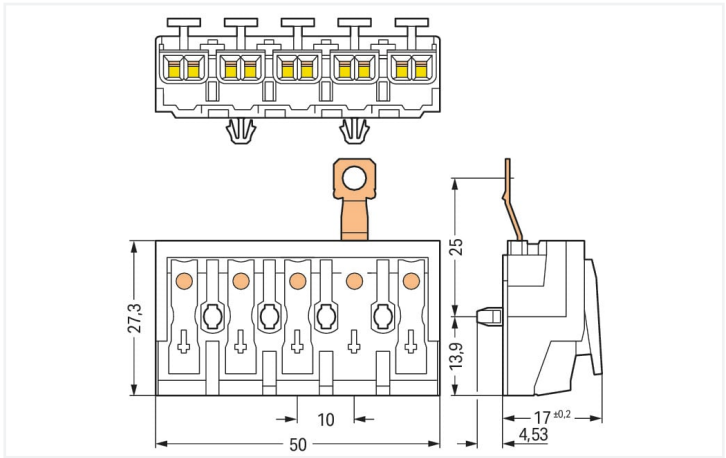
Data Sheet | Item Number: 294-5455

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/294-5455>



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	Screw-type 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 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

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

Physical data		
Pin spacing		10 mm / 0.394 inches
Width		50 mm / 1.969 inches
Height		21.53 mm / 0.848 inches
Height from the surface		17 mm / 0.669 inches
Depth		27.3 mm / 1.075 inches

Mechanical data	
Marking	3-N- -1-2
Mounting type	Snap-in foot

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	0.302 MJ
Halogen-free	Yes
Weight	15.9 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	4050821098645
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)	1d8b610b-3928-41a1-948a-32723c2a8558
SCIP notification number (Belgium)	e4cd94a7-a8c2-4705-8c5a-5fca68079f03
SCIP notification number (Bulgaria)	edbac4b3-24f7-4790-b920-8dfdde2ec256
SCIP notification number (Czech Republic)	6623bf9c-ef8b-4a68-b970-63517bd99c6b
SCIP notification number (Denmark)	fc5a4d7a-7576-4633-b2d1-76afd9a8f30f
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SCIP notification number (Hungary)	46ddb41-5ed3-4e11-9cf9-a60b93c7061e
SCIP notification number (Italy)	a9dde55f-6447-415d-9a92-8b604063d033
SCIP notification number (Netherlands)	67fe5e56-412d-4ca9-a669-ddccd395695f
SCIP notification number (Poland)	e082cb33-6107-41db-a6cc-8b48746ba208
SCIP notification number (Romania)	60d4b5c2-47ed-4b28-8ec9-0a3d6600be33
SCIP notification number (Sweden)	8d002689-0f38-44b4-a1fd-252713707572



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 294-5455

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Documentation			
Additional Information		Bid Text	
Technical Section	pdf 2240.62 KB	294-5455	13.06.2017
	↓	294-5455	19.02.2019
			doc 28.50 KB
			xml 5.58 KB
			↓

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 294-5455	WSCAD Universe 294-5455
↓	↓
	ZUKEN Portal 294-5455
	↓

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

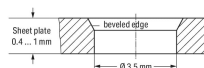
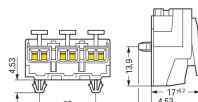
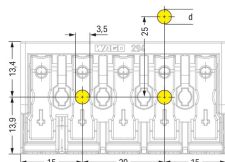


Item No.: 206-294

Disconnection tool; green

Installation Notes

Installation

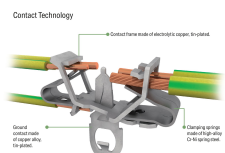


5-pole – with screw-type ground contact,
d ≤ 4.1 mm

Snap-in foot

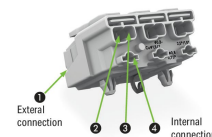
Drilled hole for snap-in mounting foot

Conductor termination

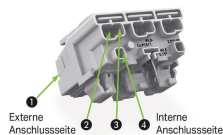


EUROPE
1x 0.5 ... 2.5 mm ² "S"
1x 0.5 ... 1.5 mm ² "S"
1x 0.5 ... 0.75 mm ² "S"
AMERICA
1x AWG 18 ... 14 "S"
1x AWG 18 ... 16 "S"
1x AWG 18 "S"
JAPAN
1x 0.8 ... 1.6 mm diam. "S"
1x 0.8 ... 1 mm diam. "S"
1x 0.8 mm diam. "S"

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, 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.

