

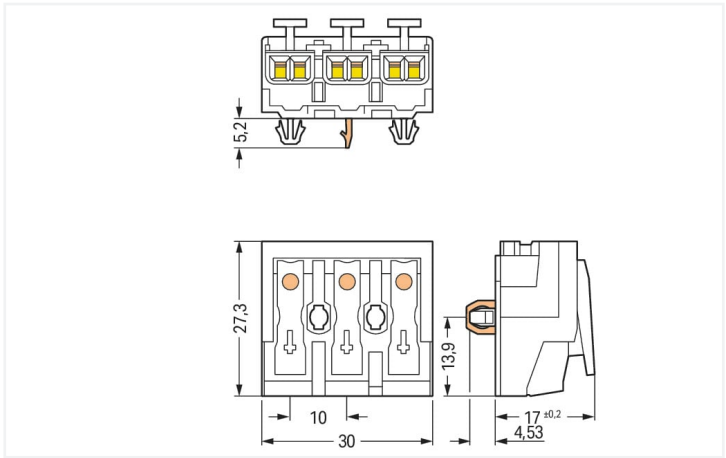
Data Sheet | Item Number: 294-5113

Lighting connector; push-button, external; with direct ground contact; N-PE-L; 3-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/294-5113>



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	15	Connection 1 <table><tr><td>Connection type 1</td><td>External 1</td></tr><tr><td>Connection technology</td><td>Push-in CAGE CLAMP®</td></tr><tr><td>Number of connection points</td><td>2</td></tr><tr><td>Actuation type</td><td>Push-button</td></tr><tr><td>Connectable conductor materials</td><td>Copper</td></tr><tr><td>Solid conductor</td><td>0.5 ... 2.5 mm² / 18 ... 12 AWG</td></tr><tr><td>Solid conductor; push-in termination</td><td>0.5 ... 2.5 mm² / 18 ... 12 AWG</td></tr><tr><td>Stranded conductor</td><td>0.5 ... 2.5 mm² / 18 ... 14 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.5 ... 2.5 mm² / 18 ... 14 AWG</td></tr><tr><td>Fine-stranded conductor; with insulated ferrule</td><td>0.5 ... 1.5 mm² / 18 ... 16 AWG</td></tr><tr><td>Fine-stranded conductor; with uninsulated ferrule</td><td>0.5 ... 1.5 mm² / 18 ... 16 AWG</td></tr><tr><td>Fine-stranded conductor; with ferrule; push-in termination</td><td>0.5 mm² / 18 AWG</td></tr><tr><td>Strip length</td><td>8 ... 9 mm / 0.31 ... 0.35 inches</td></tr><tr><td>Pole number</td><td>3</td></tr><tr><td>Wiring direction</td><td>Side-entry wiring</td></tr></table>	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	3	Wiring direction	Side-entry wiring
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Wiring direction	Side-entry wiring																															
Total number of potentials	3																															
Number of connection types	4																															
PE function	Direct 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

Physical data		
Pin spacing		10 mm / 0.394 inches
Width		30 mm / 1.181 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	N- -L
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	0.183 MJ
Halogen-free	Yes
Weight	9.4 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)	500 pcs
Packaging type	Foil
Country of origin	CH
GTIN	4050821020776
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)	315c9a73-3600-4d52-8533-2f86c71cc7a9
SCIP notification number (Belgium)	1a2b2648-f0f3-4d86-9b5d-cd28a17386af
SCIP notification number (Bulgaria)	05ece82c-8a8e-4499-bfa2-76fd29f086e3
SCIP notification number (Czech Republic)	5ee12d4b-627c-4e8f-903b-e7ce5153d3f7
SCIP notification number (Denmark)	ccb93aa4-ae2b-46b1-a57f-dc78a08c5bca
SCIP notification number (Finland)	92078939-0fe1-4c12-be15-857c4443b1e7
SCIP notification number (France)	3c313408-33cb-42c6-8727-b91638113863
SCIP notification number (Germany)	ecbe1302-b979-4c03-be6d-7b5b5f87bf69
SCIP notification number (Hungary)	8207efff-3b81-4ead-87aa-d4e4af722450
SCIP notification number (Italy)	1c5174a7-03f4-4fcd-a215-e3dcf45a9dd5
SCIP notification number (Netherlands)	7af23d5b-09a2-4855-93a1-191bf909289a
SCIP notification number (Poland)	acb71db8-6757-4d63-89dc-e7acb4e13b0e
SCIP notification number (Romania)	7879432f-a210-45f8-8b91-a255dfea74e8
SCIP notification number (Sweden)	8caf706e-598a-4b46-88d5-2c3e43b6a423



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 294-5113



Documentation

Additional Information
Technical Section
pdf 2240.62 KB



Bid Text
294-5113
13.06.2017
doc 28.00 KB
294-5113
19.02.2019
xml 5.58 KB



CAD/CAE-Data

CAD data
2D/3D Models 294-5113



CAE data
WSCAD Universe 294-5113
ZUKEN Portal 294-5113



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

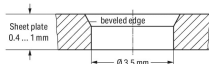
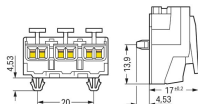
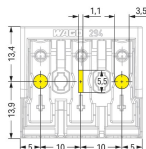
1.1.2.2 Operating tool



Item No.: 206-294
Disconnection tool; green

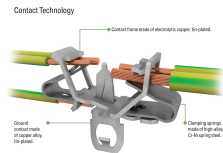
Installation Notes

Installation



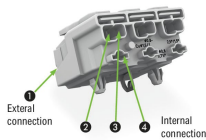
3-pole – with direct ground contact Snap-in foot Drilled hole for snap-in mounting foot

Conductor termination

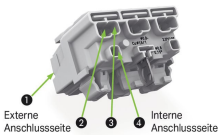


EUROPE
1 x 0.5 ... 2.5 mm ² "s"
1 x 0.5 ... 1.5 mm ² "s"
1 x 0.5 ... 0.75 mm ² "s"
AMERICA
1 x AWG 18 ... 14 "s"
1 x AWG 18 ... 16 "s"
1 x AWG 18 "s"
JAPAN
1 x 0.8 ... 1.6 mm diam. "s"
1 x 0.8 ... 1 mm diam. "s"
1 x 0.8 mm diam. "s"

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.

