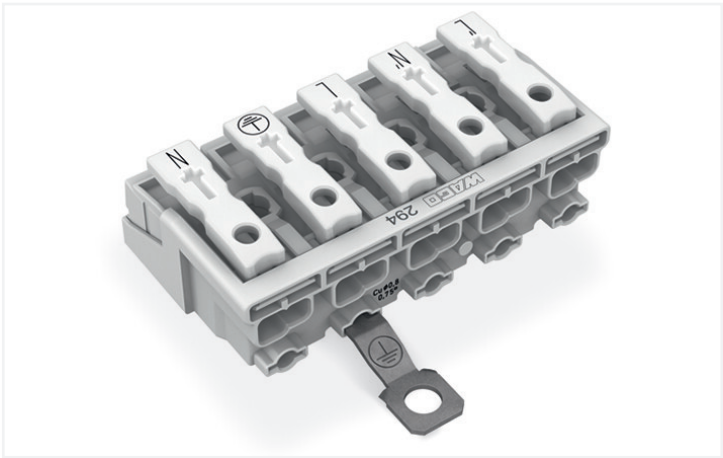


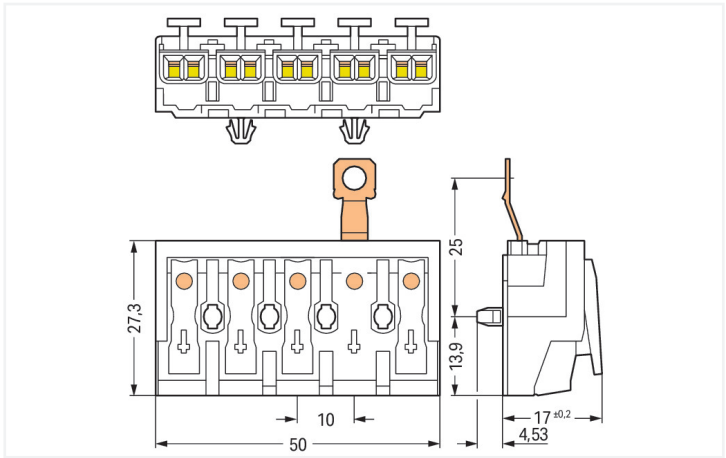
Data Sheet | Item Number: 294-5425

Lighting connector; push-button, external; with screw-type ground contact; L´-N´-L-PE-N; 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/294-5425>



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 <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>5</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	5
Connection type 1	External 1																													
Connection technology	Push-in CAGE CLAMP®																													
Number of connection points	2																													
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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																													
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

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	L´-N´-L- -N
Mounting type	Snap-in foot

Material data	
Note (material data)	Information on material specifications can be found here
Color	white
Material group	IIa
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	4050821098614
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)	761a957f-8021-45bb-8249-9582b2f2eb2f
SCIP notification number (Belgium)	dc275b7e-6882-4065-a057-6b67681aeaad
SCIP notification number (Bulgaria)	50ece0c5-8dbd-4a1e-a5a4-4c5c8d9ac1c5
SCIP notification number (Czech Republic)	36e7d44c-464f-4645-8db3-1dc46d313dcf
SCIP notification number (Denmark)	1e0e7f29-90a8-4805-a025-9ccce97638b3
SCIP notification number (Finland)	8c170572-7446-4a9c-83c2-18950fe82a27
SCIP notification number (France)	f9ed6b84-f57a-48d4-8334-3b9a70591268
SCIP notification number (Germany)	1c805b93-a8bd-4995-bbef-28f39b54041c
SCIP notification number (Hungary)	33b1fde9-f696-43f3-9185-e1178f04e048
SCIP notification number (Italy)	31a36b6b-1bb6-448f-9442-e9d8cf5a5327
SCIP notification number (Netherlands)	bda551b8-f26f-4e56-87bd-660dc7749286
SCIP notification number (Poland)	ca13ba90-0e3f-4465-ae8c-9edfe5096db6
SCIP notification number (Romania)	e08c060f-0d73-4f20-95f0-9ca1e5dc3087
SCIP notification number (Sweden)	d291a6e6-cca4-4656-b57c-322ad23250ed



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 294-5425



Documentation

Additional Information
Technical Section
pdf 2240.62 KB



Bid Text
294-5425
13.06.2017
doc 28.00 KB
294-5425
19.02.2019
xml 5.59 KB



CAD/CAE-Data

CAD data
2D/3D Models 294-5425



CAE data
WSCAD Universe 294-5425
ZUKEN Portal 294-5425



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

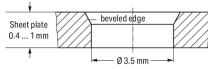
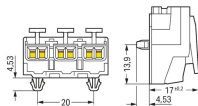
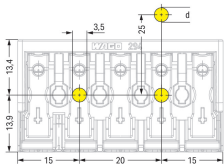
1.1.2.2 Operating tool



Item No.: 206-294
Disconnection tool; green

Installation Notes

Installation

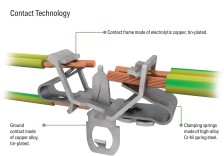


5-pole – with screw-type ground contact, $d \leq 4.1$ mm

Snap-in foot

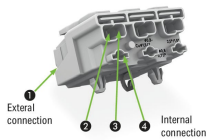
Drilled hole for snap-in mounting foot

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"

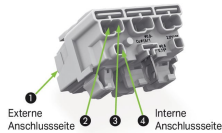
EUROPE
2 x 0.5 ... 2.5 mm ² "s, str, f-str"
AMERICA
2 x AWG 18 ... 12 "s"
2 x AWG 18 ... 14 "s, f-str"
JAPAN
2 x 0.8 ... 2 mm diam. "s"
2 x 0.5 ... 2 mm ² "str, f-str"



Internal connection:
PUSH WIRE® for internal wiring with solid conductors



External connection:
Push-in CAGE CLAMP® for field-wiring with all conductor types



External connection

