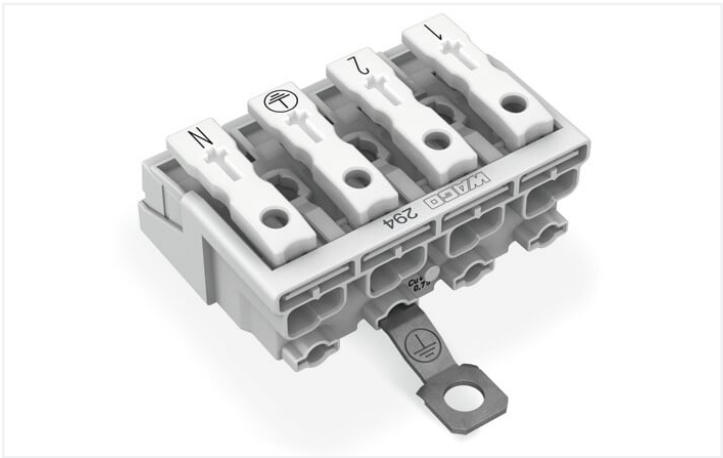


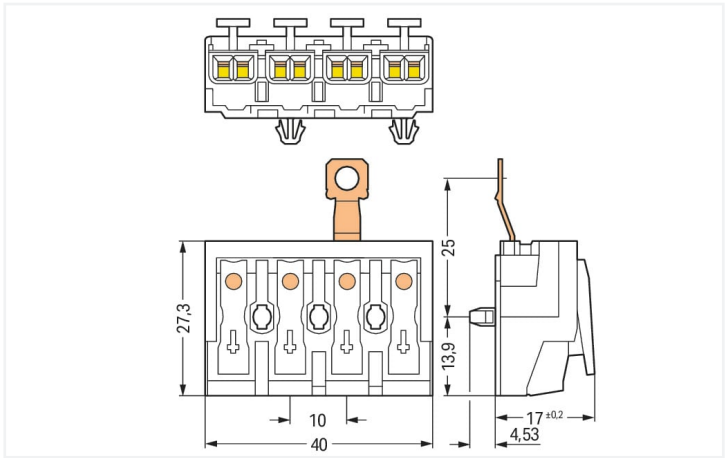
Data Sheet | Item Number: 294-5414

Lighting connector; push-button, external; with screw-type ground contact; 4-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/294-5414>



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	20	Connection 1							
Total number of potentials	4	Connection type 1	External 1						
Number of connection types	4	Connection technology	Push-in CAGE CLAMP®						
PE function	Screw-type PE contact	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	4						
		Wiring direction	Side-entry wiring						



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		40 mm / 1.575 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	1-2- -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	0.242 MJ
Halogen-free	Yes
Weight	12.9 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)	500 pcs
Packaging type	Bag
Country of origin	PL
GTIN	4050821098577
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)	eba4b9e3-7875-4c2d-9757-5e5f4ae5c8c9
SCIP notification number (Belgium)	c2af31e0-3471-4efc-ad62-74419e1d30d4
SCIP notification number (Bulgaria)	d1bbc058-8fe5-43e5-8336-1f0618f06818
SCIP notification number (Czech Republic)	1e2c9760-d0bc-45d0-a5c1-944b08b728fe
SCIP notification number (Denmark)	75b0f51d-4265-4a14-8c9b-eae886278231
SCIP notification number (Finland)	94b94ca8-45ba-47b4-bd60-2c747446e68d
SCIP notification number (France)	cd14eca7-9c89-4632-998e-0658bc987806
SCIP notification number (Germany)	641c9817-821e-41d4-b1c7-5b9b0ea99f95
SCIP notification number (Hungary)	8af74257-2c0e-4ed8-9e7f-343a3061efe8
SCIP notification number (Italy)	53037f1f-cb2d-45ea-a8b9-ebaaddde05ca
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SCIP notification number (Sweden)	9ce5fcdb-30ee-4d21-b2fc-c65c06aeb618



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 294-5414



Documentation

Additional Information
Technical Section

pdf
2240.62 KB



Bid Text
294-5414

19.02.2019	xml 5.58 KB	
294-5414	13.06.2017	doc 28.00 KB



CAD/CAE-Data

CAD data
2D/3D Models 294-5414



CAE data
WSCAD Universe 294-5414

ZUKEN Portal 294-5414



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

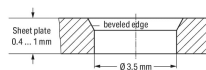
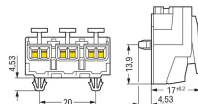
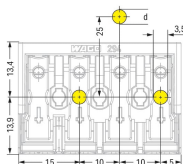


Item No.: 206-294

Disconnection tool; green

Installation Notes

Installation

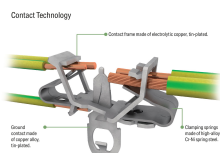


4-pole – with screw-type ground contact,
d ≤ 4.1 mm

Snap-in foot

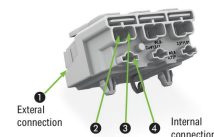
Drilled hole for snap-in mounting foot

Conductor termination

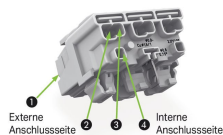


EUROPE
1x 0.5 ... 2.5 mm ² "s"
1x 0.5 ... 1.5 mm ² "s"
1x 0.5 ... 0.75 mm ² "s"
AMERICA
1x AWG 18 ... 14 "s"
1x AWG 18 ... 16 "s"
1x AWG 18 "s"
JAPAN
1x 0.8 ... 1.6 mm diam. "s"
1x 0.8 ... 1 mm diam. "s"
1x 0.8 mm diam. "s"

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.

