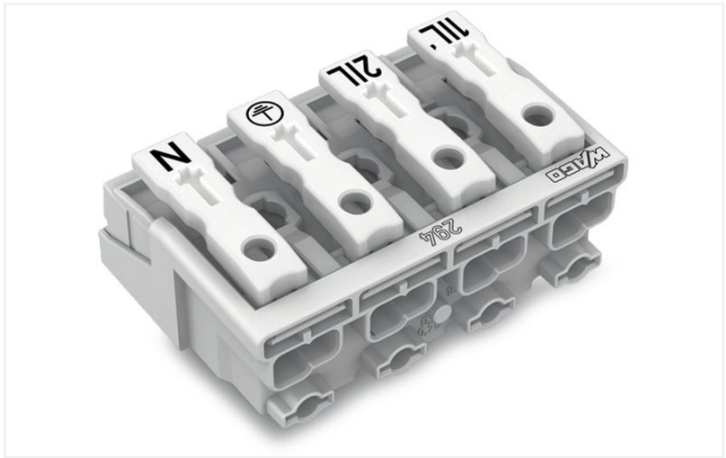


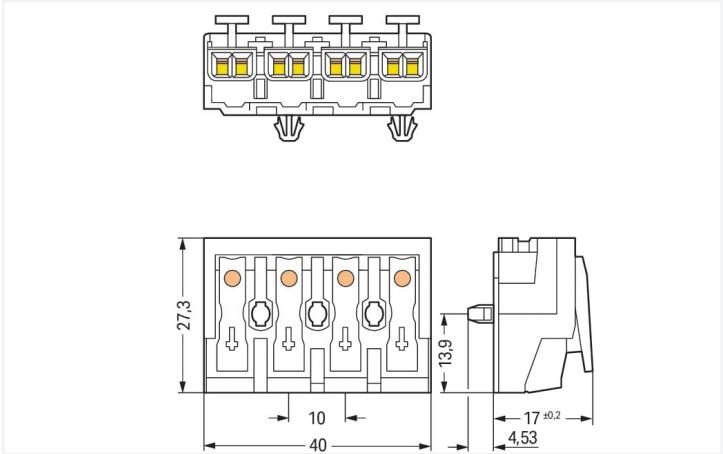
Data Sheet | Item Number: 294-5024

Lighting connector; push-button, external; without ground contact; 1/L ´ -2/L-PE-N;
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/294-5024>



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
Pollution degree	3	2	2	Pollution degree	3	2
Nominal voltage	-	-	500 V	Nominal voltage	-	-
Rated surge voltage	-	-	4 kV	Rated surge voltage	-	-
Rated current	-	-	24 A	Rated current	-	-



Connection data

Connection points	20
Total number of potentials	4
Number of connection types	4
PE function	without PE contact

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	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 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	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/L ´ -2/L- -N	
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	0.242 MJ	
Halogen-free	Yes	
Weight	12.2 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)	500 pcs	
Packaging type	Foil	
Country of origin	CH	
GTIN	4050821098201	
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)	b32d9e91-7f54-474c-b3d3-a4c356be048a	
SCIP notification number (Belgium)	f7136768-0fc0-4db6-95b7-ab315c71410d	
SCIP notification number (Bulgaria)	56d2fc49-5bd2-4fa5-bc32-11d9c5aa8647	
SCIP notification number (Czech Republic)	db0a4458-bda9-4d50-9b99-8c7324490523	
SCIP notification number (Denmark)	75b0f1f0-a9a8-4443-a7dd-72f29707bc2f	
SCIP notification number (Finland)	7d90a9d0-57bc-4ade-b223-52ce8c35a361	



Environmental Product Compliance	
SCIP notification number (France)	30a301c5-aec7-4019-ab11-f41bc1a4e3af
SCIP notification number (Germany)	c2c3cd02-79a9-45e0-ae5c-252335af6ddd
SCIP notification number (Hungary)	0569f298-cf1a-44f1-8b4e-ce4f41ff1065
SCIP notification number (Italy)	6b149dfe-700a-4a0b-a179-539420870a6f
SCIP notification number (Netherlands)	5d601875-d8de-4d5e-8d99-a254b5280d8b
SCIP notification number (Poland)	6c51a740-3399-434c-86f5-340ab443d364
SCIP notification number (Romania)	b8758b48-c67f-4891-bb8d-49090a01338d
SCIP notification number (Sweden)	7c3a1af6-9c3b-4647-950c-380b36f61d14

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
		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 294-5024	

Documentation			
Additional Information		Bid Text	
Technical Section	pdf 2240.62 KB	294-5024	19.02.2019 xml 5.58 KB
		294-5024	13.06.2017 doc 28.00 KB

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 294-5024	WSCAD Universe 294-5024
	ZUKEN Portal 294-5024



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

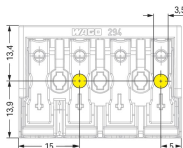
1.1.2.2 Operating tool



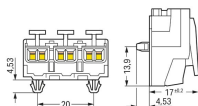
Item No.: 206-294
Disconnection tool; green

Installation Notes

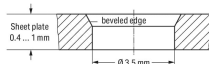
Installation



4-pole – without ground contact

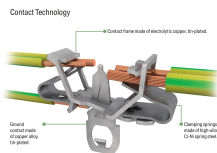


Snap-in foot



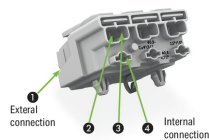
Drilled hole for snap-in mounting foot

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.

