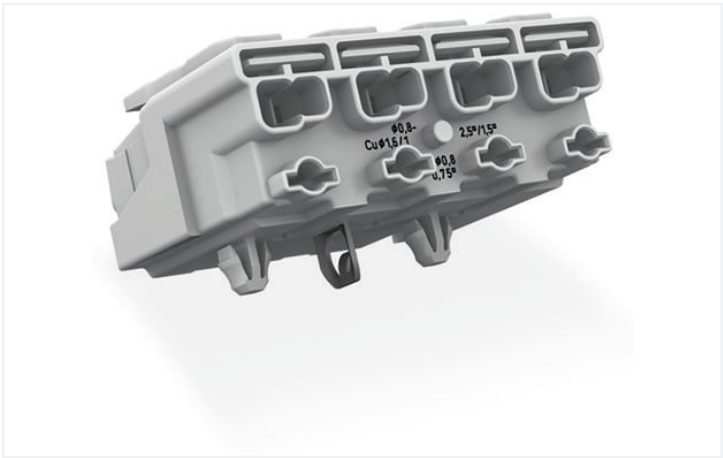


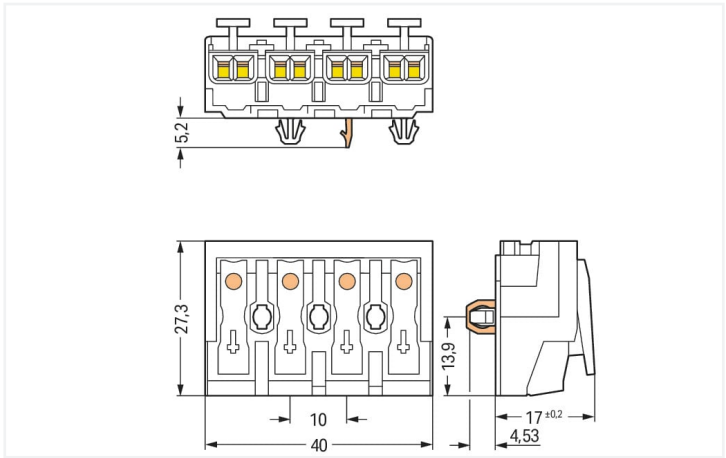
Data Sheet | Item Number: 294-5124

Lighting connector; push-button, external; with direct 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/294-5124>



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 1	
Connection points	20	Connection type 1	External 1	
Total number of potentials	4	Connection technology	Push-in CAGE CLAMP®	
Number of connection types	4	Number of connection points	2	
PE function	Direct PE contact	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

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		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	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	12.4 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	4050821098355
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)	5f3c89fe-fc7b-4c10-a0c8-e0242b350fa0
SCIP notification number (Belgium)	88e15bbe-71c6-4bee-95e6-c9b4d993a284
SCIP notification number (Bulgaria)	7169df06-9243-4a46-af7b-97b8485b75ad
SCIP notification number (Czech Republic)	da411d7a-1611-4419-9d9e-5636b13ba5de
SCIP notification number (Denmark)	2ff762c7-4f5c-4d41-b784-65b7b7245d66
SCIP notification number (Finland)	87b8cc49-cf19-4ef9-83ef-6c30aa133338
SCIP notification number (France)	50d5e645-693d-4aaa-b583-bad2256a395f
SCIP notification number (Germany)	70fbf2a7-2b2e-4b6b-9624-a6402e18dad2
SCIP notification number (Hungary)	c8c426c6-0056-4a45-abf3-4180bb8e618b
SCIP notification number (Italy)	9b6f40a6-76f5-4d42-bb05-04a1afc9f011
SCIP notification number (Netherlands)	d9e5ca47-65ac-4db4-a402-f11a63c8a80e
SCIP notification number (Poland)	937d60f6-3019-4771-9367-81672eee326a
SCIP notification number (Romania)	e4b37cee-9d9a-4a12-a028-aeb85052e226
SCIP notification number (Sweden)	c910b48f-6705-41da-83a5-2f5f89960a28



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 294-5124



Documentation

Additional Information
Technical Section
pdf 2240.62 KB



Bid Text
294-5124
13.06.2017
doc 28.00 KB
294-5124
19.02.2019
xml 5.59 KB



CAD/CAE-Data

CAD data
2D/3D Models 294-5124



CAE data
WSCAD Universe 294-5124
ZUKEN Portal 294-5124



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 direct ground contact

Snap-in foot

Drilled hole for snap-in mounting foot

Conductor termination

Contact Technology

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"

External connection

Internal connection

Terminating five conductors per pole – solid and fine-stranded.

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

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

