

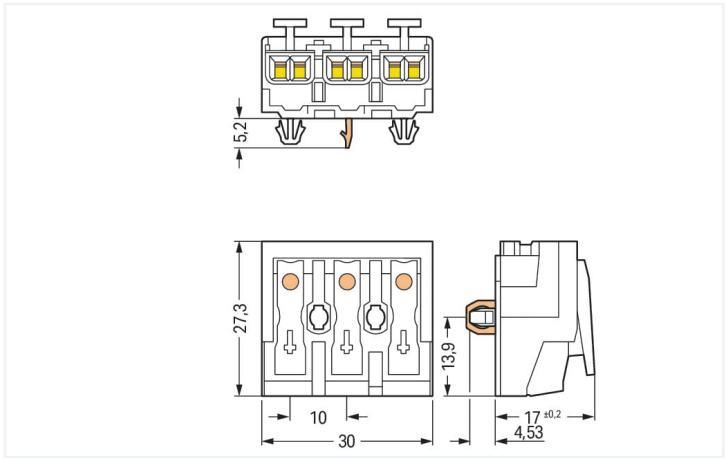
Data Sheet | Item Number: 294-5123

Lighting connector; push-button, external; with direct ground contact; 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/294-5123>



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 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
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	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	0.183 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	4050821098348
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)	9a889a09-71d9-4988-8bf6-7d5f90a1c551
SCIP notification number (Belgium)	4ee97b4f-601f-441b-a050-91b384407d49
SCIP notification number (Bulgaria)	2664e496-655d-4927-a074-61d955183c29
SCIP notification number (Czech Republic)	e916031c-8165-41f9-8428-7570f29d6850
SCIP notification number (Denmark)	2222594a-9dca-4730-bd41-bc0f342f6465
SCIP notification number (Finland)	a1160814-6f09-4362-80b7-2fdb146ff2d9
SCIP notification number (France)	f5b471b2-ec87-42a4-926b-4b0c201ec6b4
SCIP notification number (Germany)	517b8b6f-9f23-4dfc-b86e-29de43d136a0
SCIP notification number (Hungary)	898a1a0a-5692-484d-9b45-be2112cc6297
SCIP notification number (Italy)	d4ee37f4-5520-423b-8a93-379bf2bd8b8b
SCIP notification number (Netherlands)	4c538805-4bf4-4e3a-9b1f-91803db9497b
SCIP notification number (Poland)	6bb9efe2-eb01-4694-a81e-77ee1bab45ec
SCIP notification number (Romania)	7c1e0b34-312d-4729-99c8-9df3b44f7527
SCIP notification number (Sweden)	16d3473a-b198-49bf-be63-524a4e9bf7ba



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 294-5123



Documentation

Additional Information
Technical Section
pdf 2240.62 KB



Bid Text
294-5123
13.06.2017
doc 28.00 KB
294-5123
19.02.2019
xml 5.59 KB



CAD/CAE-Data

CAD data
2D/3D Models 294-5123



CAE data
WSCAD Universe 294-5123
ZUKEN Portal 294-5123



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

Contact Technology

1 Contact frame made of electrically conductive, insulated material

2 Ground connection (optional) with spring effect (see manual)

3 Clamping spring (optional) with spring effect (see manual)

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

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.

