

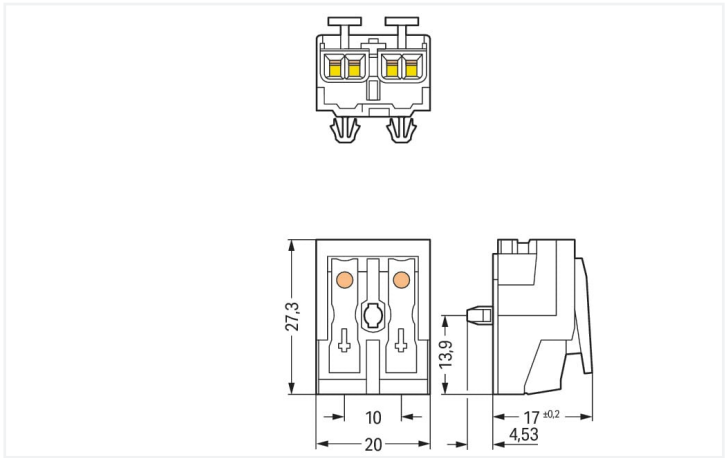
Data Sheet | Item Number: 294-5022

Lighting connector; push-button, external; without ground contact; N´-L´; 2-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/294-5022>



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	10	Connection 1							
Total number of potentials	2	Connection type 1	External 1						
Number of connection types	4	Connection technology	Push-in CAGE CLAMP®						
PE function	without 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	2						
		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		20 mm / 0.787 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	0.123 MJ
Halogen-free	Yes
Weight	6.4 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)	1000 pcs
Packaging type	Foil
Country of origin	CH
GTIN	4050821098188
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)	8c5d3053-0c99-43ca-86ed-1842d4f67a3c
SCIP notification number (Belgium)	f7b2c190-831b-485c-b9e9-cfaaed9010c1
SCIP notification number (Bulgaria)	ef045ad6-e74b-4eac-b86c-4cd6e72030cc
SCIP notification number (Czech Republic)	c230a102-85ad-486d-9782-a268b385bd0f
SCIP notification number (Denmark)	77db38b1-5f7e-4687-a1fb-a67c03bb0cbf
SCIP notification number (Finland)	4c689c64-1464-46f4-b377-68a11622f020
SCIP notification number (France)	b7a310ab-7e72-4b79-a46c-dcc916932fde
SCIP notification number (Germany)	9cd06e77-23e4-4521-aefa-d36be54ccf9c
SCIP notification number (Hungary)	885410d9-2e5d-4a97-b971-00a60a7c1719
SCIP notification number (Italy)	4eeb9b62-4b56-4c61-a7ed-c2390a149bfa
SCIP notification number (Netherlands)	94ce3a6b-94e4-4d83-a136-2b9a7f0033e3
SCIP notification number (Poland)	ac8e9858-f081-45d0-ae84-28c7ea205e60
SCIP notification number (Romania)	40427a66-a5d1-4836-b1b8-5d779fa2e2e4
SCIP notification number (Sweden)	9664d724-c14b-4eb7-b075-8bcc5ce170d6



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 294-5022



Documentation

Additional Information
Technical Section
pdf 2240.62 KB



Bid Text
294-5022
19.02.2019
xml 5.58 KB
294-5022
13.06.2017
doc 27.00 KB



CAD/CAE-Data

CAD data
2D/3D Models 294-5022



CAE data
WSCAD Universe 294-5022
ZUKEN Portal 294-5022



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

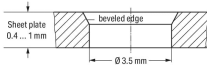
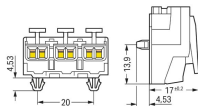
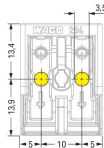
1.1.2.2 Operating tool



Item No.: 206-294
Disconnection tool; green

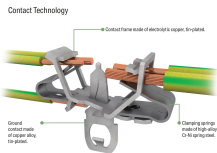
Installation Notes

Installation



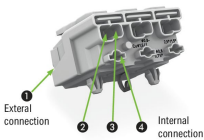
- 2-pole – without ground contact
- Snap-in foot
- Drilled hole for snap-in mounting foot

Conductor termination

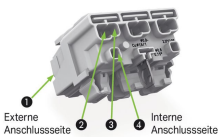


EUROPE
1 x 0.5 ... 2.5 mm ² "s"
1 x 0.5 ... 1.5 mm ² "s"
1 x 0.5 ... 0.75 mm ² "s"
AMERICA
1 x AWG 18 ... 14 "s"
1 x AWG 18 ... 16 "s"
1 x AWG 18 "s"
JAPAN
1 x 0.8 ... 1.6 mm diam. "s"
1 x 0.8 ... 1 mm diam. "s"
1 x 0.8 mm diam. "s"

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.

