

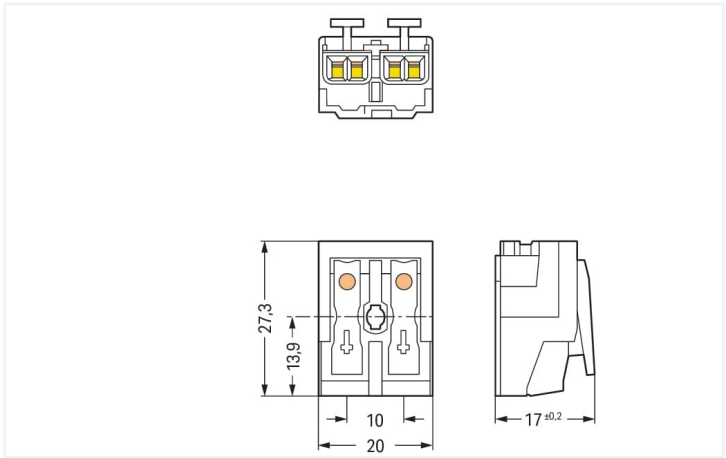
Data Sheet | Item Number: 294-4022

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/294-4022>



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

Physical data		
Pin spacing		10 mm / 0.394 inches
Width		20 mm / 0.787 inches
Height from the surface		17 mm / 0.669 inches
Depth		27.3 mm / 1.075 inches

Mechanical data	
Marking	N´-L´
Mounting type	without snap-in mounting feet

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	0.121 MJ
Halogen-free	Yes
Weight	6.1 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	4050821097693
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)	7b4ddf2f-1cf0-4357-a7be-a10b833475d1
SCIP notification number (Belgium)	861645dd-bc8f-4ff3-8f7c-33d816695e5d
SCIP notification number (Bulgaria)	eb239b58-edcd-49fa-b817-ae0d06263304
SCIP notification number (Czech Republic)	9c151dfa-2830-46f8-957d-5275861a08fe
SCIP notification number (Denmark)	1e2f5a68-57d8-40f9-84d0-654d396f9cd0
SCIP notification number (Finland)	4638767f-7c86-4197-b98f-83001c3261c0
SCIP notification number (France)	419057a4-3817-4fd7-82b4-04328d2a3db6
SCIP notification number (Germany)	ca4e4915-654e-469b-9af5-415d1f5ca368
SCIP notification number (Hungary)	446a6d2b-19bc-4a7d-a648-3ed12818727f
SCIP notification number (Italy)	944fb893-9187-4f97-b08c-c89c0a1f3e61
SCIP notification number (Netherlands)	bb39ab6d-8082-4f02-87c5-ebbc7c5e28a4
SCIP notification number (Poland)	057c266e-5604-40f8-9290-0fcf4af5304e
SCIP notification number (Romania)	51850f55-8c1a-4ba1-9e82-f1184f5888f4
SCIP notification number (Sweden)	2daf6d96-d0d2-4c09-8939-9dd5374ebb06



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 294-4022



Documentation

Additional Information
Technical Section
pdf 2240.62 KB



Bid Text
294-4022
19.02.2019
xml 5.58 KB
294-4022
13.06.2017
doc 27.00 KB



CAD/CAE-Data

CAD data
2D/3D Models 294-4022



CAE data
WSCAD Universe 294-4022
ZUKEN Portal 294-4022



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

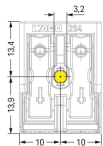
1.1.2.2 Operating tool



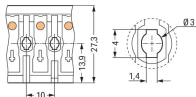
Item No.: 206-294
Disconnection tool; green

Installation Notes

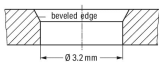
Installation



2-pole – without ground contact

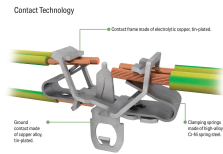


Mounting hole for screw
Notice: The maximum thread diameter for self-tapping screws is 3 mm.



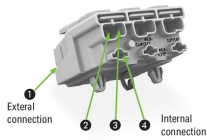
Hole for screw mount
Notice: The maximum thread diameter for self-tapping screws is 3 mm.

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.

