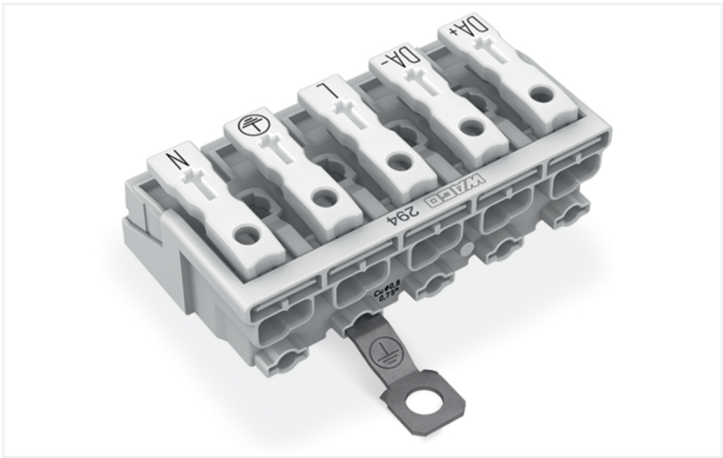


Data Sheet | Item Number: 294-5435

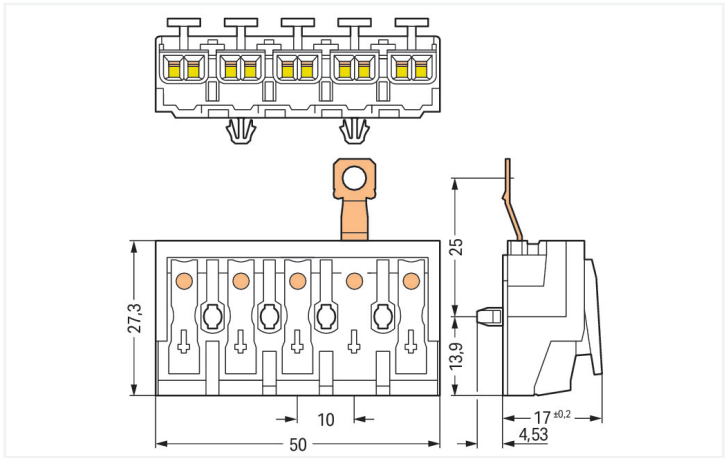
Lighting connector; push-button, external; with screw-type ground contact; DA+ DA- L PE N; 5-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²; Surrounding air temperature: max 85°C (T85); white

<https://www.wago.com/294-5435>



Color: white

rated current 24 A



Dimensions in mm

Electrical data

Ratings per	IEC/EN 60998-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	500 V
Rated surge voltage	-	-	4 kV
Rated current	-	-	24 A

Ratings per	IEC/EN 60998-2-2		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	500 V
Rated surge voltage	-	-	4 kV
Rated current	-	-	24 A

Ratings per IEC/EN – Notes	
Ratings (note)	Connection points

Connection data

Clamping units	25
Total number of potentials	5
Number of connection types	4
PE function	Screw-type 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



Connection 1	
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	5
Wiring direction	Side-entry wiring

Connection 2	
Connection type	Internal 2
Connection technology	PUSH WIRE®
Number of connection points	1
Actuation type	Push-in
Solid conductor	0.5 ... 2.5 mm² / 18 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 1 mm² / 18 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1.5 mm² / 18 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

Connection 3	
Connection type	Internal 3
Connection technology	PUSH WIRE®
Number of connection points	1
Actuation type	Push-in
Solid conductor	0.5 ... 1.5 mm² / 18 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 0.75 mm² / 18 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1 mm² / 18 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

Connection 4	
Connection type	Internal 4
Connection technology	PUSH WIRE®
Number of connection points	1
Actuation type	Push-in
Solid conductor	0.5 ... 0.75 mm² / 18 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

Physical data	
Pin spacing	10 mm / 0.394 inches
Width	50 mm / 1.969 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	DA+ DA- 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 (main housing)	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	0.302 MJ
Halogen-free	Yes
Weight	15.9 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 9.0		EC001284
ETIM 8.0		EC001284
PU (SPU)		250 pcs
Packaging type		Bag
Country of origin		PL
GTIN		4050821098621
Customs tariff number		85369010000

Environmental Product Compliance		
REACH Candidate List Substance		Perfluorobutane sulfonic acid (PFBS) and its salts
RoHS Compliance Status		Compliant,No Exemption
SCIP notification number (Austria)		ccaa848f-263e-4ae9-89f5-6fd1ef4b2be4
SCIP notification number (Belgium)		1dd28b71-61f9-4f8d-8817-e20a84e8efa0
SCIP notification number (Bulgaria)		3770c788-c219-41bb-90ca-58e6f0a5d27f
SCIP notification number (Czech Republic)		155e502c-3923-432a-80f5-5cf8cdc0cd34
SCIP notification number (Denmark)		f491d654-e6dc-4e29-a2ab-84fbaf993812
SCIP notification number (Finland)		091bb63d-0288-46a1-84d3-8121bdf0b6b6
SCIP notification number (France)		3f1b4c23-67c8-4795-8578-43446d4faee5
SCIP notification number (Germany)		c8933a04-f05f-49c3-a53c-7b33363fb1aa
SCIP notification number (Hungary)		52e997ec-e5e8-4d91-bde5-289a0a51970d
SCIP notification number (Italy)		3aecd810-cb8e-4db9-bc5e-4e22e4769d5c
SCIP notification number (Netherlands)		318714de-0933-41f4-80b3-a22c54f4f017
SCIP notification number (Poland)		016873a3-091b-4755-8ebf-fa1e3ad728eb
SCIP notification number (Romania)		1142a3c2-1df0-4565-93a4-77c664f6c7b0
SCIP notification number (Sweden)		bd53a933-7e3a-4b3c-9c5b-600f19d1b80f

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
ENEC 05	EN 60998	2128791.01	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
DEKRA Certification B.V.			UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-



Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 294-5435	↓

Documentation

Additional Information		
Technical Section	pdf 2246.92 KB	↓

Bid Text			
294-5435	13.06.2017	doc 28.50 KB	↓
294-5435	19.02.2019	xml 5.59 KB	↓

CAD/CAE-Data

CAD data	
2D/3D Models 294-5435	↓

CAE data	
WSCAD Universe 294-5435	↓
ZUKEN Portal 294-5435	↓

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

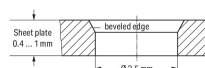
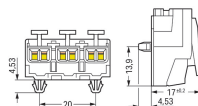
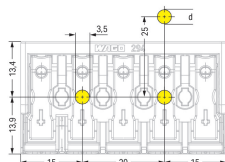


Item No.: 206-294

Disconnection tool; green

Installation Notes

Installation

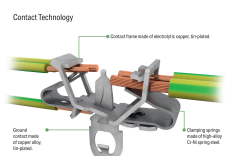


5-pole – with screw-type ground contact,
d ≤ 4.1 mm

Snap-in foot

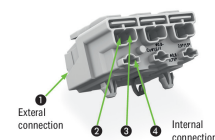
Drilled hole for snap-in mounting foot

Conductor termination



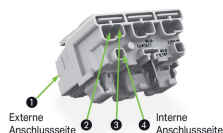
EUROPE
1 x 0.5 ... 2.5 mm ² "s"
1 x 0.5 ... 1.5 mm ² "s"
1 x 0.5 ... 0.75 mm ² "s"
AMERICA
1 x AWG 18 ... 14 "s"
1 x AWG 18 ... 16 "s"
1 x AWG 18 "s"
JAPAN
1 x 0.8 ... 1.6 mm diam. "s"
1 x 0.8 ... 1 mm diam. "s"
1 x 0.8 mm diam. "s"

EUROPE
2 x 0.5 ... 2.5 mm**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** "str, f-str"

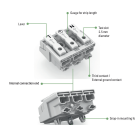


Internal connection:
PUSH WIRE® for internal wiring with solid conductors

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



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



Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: www.wago.com