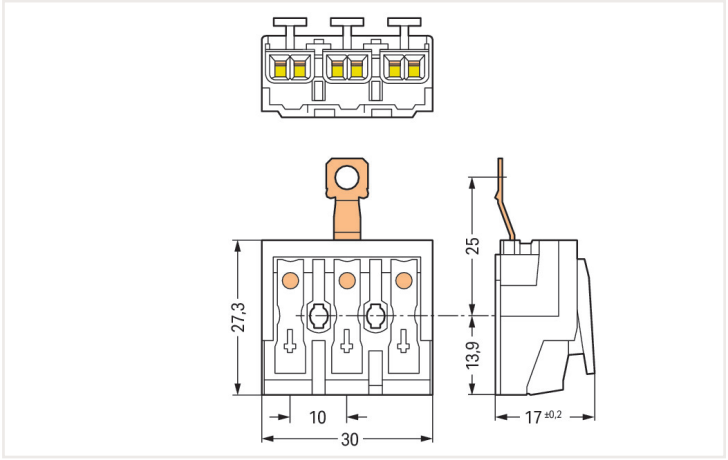
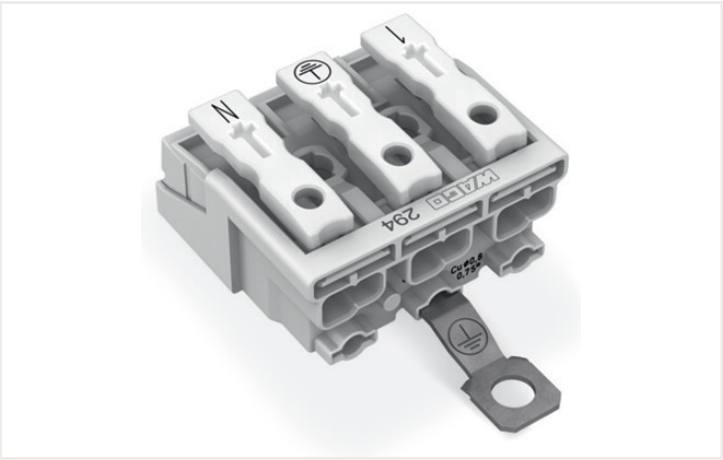


Data sheet | Item number: 294-4453

Lighting connector; push-button, external; with screw-type 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/294-4453>



Dimensions in mm

- External connection of solid, stranded and fine-stranded conductors
- Universal conductor termination (AWG, metric)
- Third contact at bottom
- Strain relief plate can be retrofitted

Electrical data

Ratings per IEC/EN	
Ratings per	IEC/EN 60998-1
Ratings (note)	Connection points
Nominal voltage (II/2)	500 V
Rated surge voltage (II/2)	4 kV
Rated current	24 A
Legend (ratings)	(II / 2) Δ Overvoltage category II / Pollution degree 2

Ratings per IEC/EN 2	
Ratings per 2	IEC/EN 60998-2-2
Ratings (note) 2	Connection points
Rated voltage (II/2) 2	500 V
Rated surge voltage (II/2) 2	4 kV
Rated current 2	24 A

Connection data

Connection points	15
Total number of potentials	3
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
Fine-stranded conductor; with ferrule; push-in termination	0.5 mm² / 18 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches



Connection 1	
Pole number	3
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 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

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 from the surface	17 mm / 0.669 inches	
Depth	27.3 mm / 1.075 inches	

Mechanical data	
Marking	1-⊕-N
Mounting type	without snap-in mounting feet

Material data	
Note (material data)	Information on material data 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	0.182 MJ
Halogen-free	Yes
Weight	9.8 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 Stück
Packaging type	Bag
Country of origin VKOrg Germany	PL
GTIN	4050821098119
Customs tariff number VKOrg Germany	85369010000

Approvals and certificates	
General approvals	






Approval	Standard	Certificate name
ENEC 05 DEKRA Certification B.V.	EN 60998	2128791.01

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 294-4453	↓

Documentation			
Additional Information		Bid Text	
Technical Section	pdf 2142.18 KB	294-4453	↓
		19.02.2019	xml 5.58 KB
		294-4453	↓
		13.06.2017	doc 28.00 KB



CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 294-4453 	WSCAD Universe 294-4453 
	ZUKEN Portal 294-4453 

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

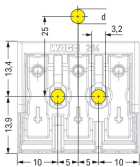
1.1.2.2 Operating tool



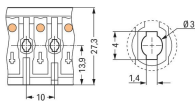
Item no.: 206-294
Disconnection tool; green

Installation notes

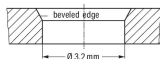
Installation



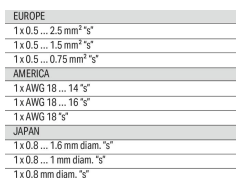
3-pole – with screw-type ground contact, $d \leq 4.1\text{ mm}$



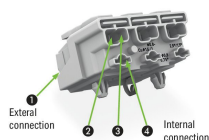
Mounting hole for screw
Notice: The maximum thread diameter for self-tapping screws is 3 mm.



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

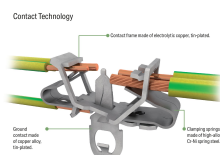


EUROPE
2x 0.5 ... 2.5 mm ² "s, str, f-str"
AMERICA
2x AWG 18 ... 12 "s"
2x AWG 18 ... 14 "s, f-str"
JAPAN
2x 0.8 ... 2 mm diam. "s"
2x 0.5 ... 2 mm ² "str, f-str"



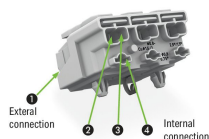
External connection:
Push-in CAGE CLAMP® for field-wiring
with all conductor types

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



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

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

