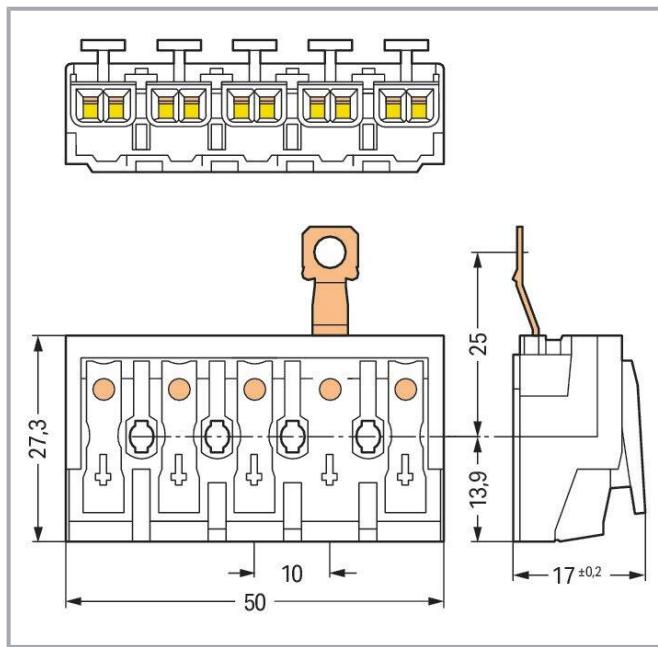
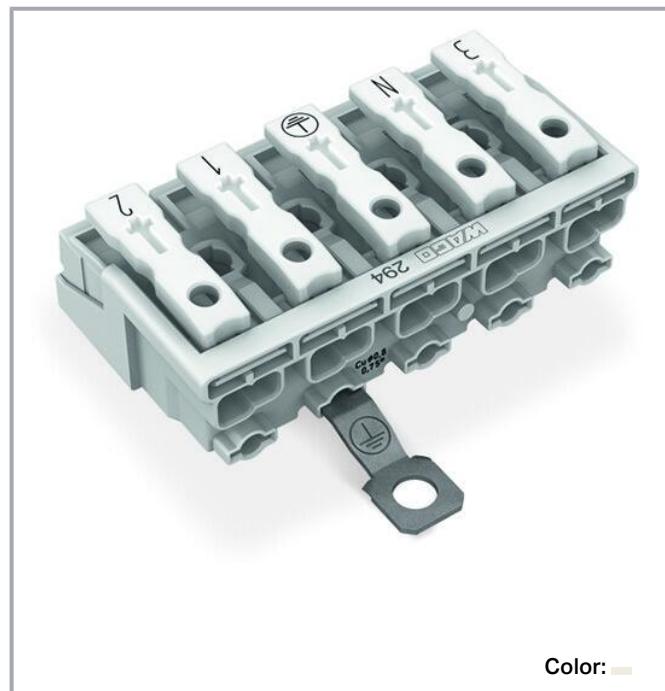


Lighting connector; push-button, external; with screw-type ground contact; 5-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²; Surrounding air temperature: max 85°C (T85); 2,50 mm²; white

www.wago.com/294-4455



Color: ■

Item description

- 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

Data

Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60998-1
Nominal voltage (II/2)	500 V
Rated surge voltage (II/2)	4 kV
Rated current	24 A

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

Legend (ratings)

(II / 2) ≡ Overvoltage category II / Pollution degree 2

Ratings per IEC/EN – Notes

Ratings (note)

Connection points

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

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

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

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

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	50 mm / 1.969 inches
Height from the surface	17 mm / 0.669 inches
Depth	27.3 mm / 1.075 inches

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

Mechanical Data

Marking	3-N- $\frac{1}{2}$ -1-2
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	0.301 MJ
Halogen-free	Yes
Weight	15.8 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)	250 pcs
Packaging type	Bag
Country of origin	PL
GTIN	4050821098126
Customs tariff number	85369010000

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

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)	1d0c6afe-63fc-47ad-a90f-e602cebae0d9
SCIP notification number (Belgium)	f75e8782-a784-432a-b5c7-a42144c57c6a
SCIP notification number (Bulgaria)	294641d1-9030-4960-bca7-fd7b9f366148
SCIP notification number (Czech Republic)	3f56ea59-a41f-45ff-93bf-07b66d77fc20
SCIP notification number (Denmark)	46cc246e-9c56-45a9-9f0b-4d6450a6268c
SCIP notification number (Finland)	eb77f37b-b703-4497-aa2e-8a9eedced46b
SCIP notification number (France)	2f3b7ede-71cf-4d67-a3d3-b4919211a29c
SCIP notification number (Germany)	cc3574ec-7f28-42a8-b03e-08dadc08c6c5
SCIP notification number (Hungary)	422695f5-1fec-469d-a9e0-726933ea78dc
SCIP notification number (Italy)	3e5d5173-63b4-4085-ab99-3c21b2b069a2
SCIP notification number (Netherlands)	da3646e6-34f2-4c82-a6dc-a7371bece01e
SCIP notification number (Poland)	3f94817f-682b-4d8a-92a3-7f0b5ea326a7
SCIP notification number (Romania)	0d8f01e1-bceb-4ee2-9276-6ac150b8250e
SCIP notification number (Sweden)	d93edb46-f6c6-4e15-8b75-a9022048de70

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	ENEC 05 DEKRA Certification B.V.	EN 60998	2128791.01

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

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Optional accessories

Strain relief

Strain relief

**Item no.: 294-370**

Strain relief; for 294 Series; with snap-in mounting feet; white

www.wago.com/294-370**Item no.: 294-375**

Strain relief; for 294 Series; without snap-in mounting feet; white

www.wago.com/294-375

Strain relief plate

**Item no.: 294-364**

Strain relief plate; for 294 Series; for multicore cables; 3- to 5-pole; with secured clamp; white

www.wago.com/294-364**Item no.: 294-384**

Strain relief plate; for 294 Series; for single strands; 3- to 5-pole; with secured clamp; white

www.wago.com/294-384

Tool

Operating tool

**Item no.: 206-294**

Disconnection tool; green

www.wago.com/206-294

Downloads

Documentation

Bid Text

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

WAGO GmbH & Co. KG

Hansastra. 27

32423 Minden

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Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.

294-4455 X81 - Datei	2019 Feb 19	xml 5.7 kB	Download
294-4455 doc - Datei	2017 Jun 13	doc 29.2 kB	Download
Additional Information			
		pdf 2.3 MB	Download

CAD/CAE-Data

CAD data

2D/3D Models 294-4455	URL	Download
CAE data		
WSCAD Universe 294-4455	URL	Download
ZUKEN Portal 294-4455	URL	Download
Asset Administration Shell		
Asset Administration Shell 294-4455	URL	Download

Environmental Product Compliance

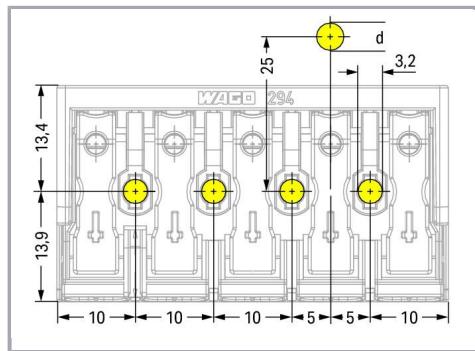
Compliance Search

Environmental Product Compliance 294-4455 Lighting connector; push-button, external; with screw-type ground contact; 5-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm ² ; Surrounding air temperature: max 85°C (T85); 2,50 mm ² ; white	URL	Download
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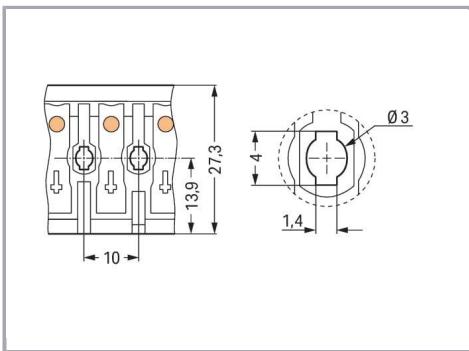
Installation Notes

Installation

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

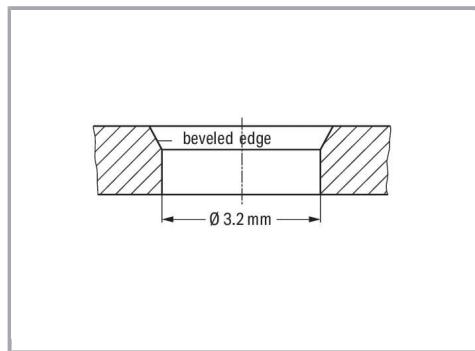


5-pole – with screw-type ground contact, $d \leq 4.1 \text{ mm}$



Mounting hole for screw

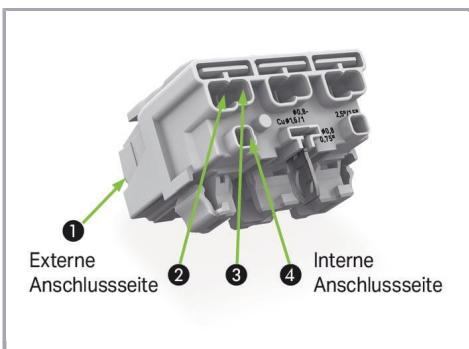
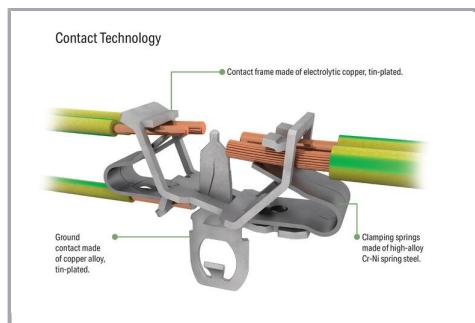
Notice: The maximum thread diameter for self-tapping screws is 3 mm.



Hole for screw mount

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

Conductor termination



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

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

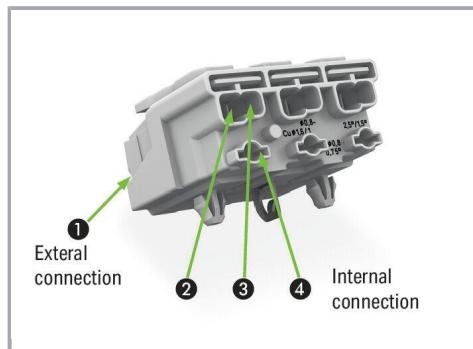
EUROPE
2x 0.5 ... 2.5 mm ² "s, str, f-str"
AMERICA
2x AWG 18 ... 12 "s"
2x AWG 18 ... 14 "s, f-str"
JAPAN
2x 0.8 ... 2 mm diam. "s"
2x 0.5 ... 2 mm ² "str, f-str"

Internal connection:

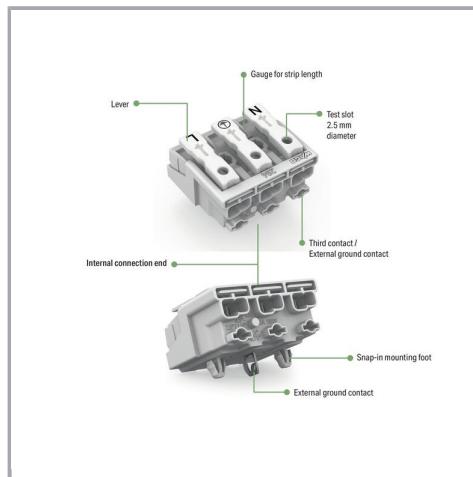
PUSH WIRE® for internal wiring with solid conductors

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!