

Data sheet | Item number: 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 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

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
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.

- Strain relief plate can be retrofitted

Data

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) \triangleq 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	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 mm ² / 18 ... 12 AWG
Solid conductor; push-in termination	0.5 ... 2.5 mm ² / 18 ... 12 AWG
Stranded conductor	0.5 ... 2.5 mm ² / 18 ... 14 AWG
Fine-stranded conductor	0.5 ... 2.5 mm ² / 18 ... 14 AWG

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



Fine-stranded conductor; with insulated ferrule	0.5 ... 1.5 mm ² / 18 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1.5 mm ² / 18 ... 16 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 mm ² / 18 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Pole number	5
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 mm ² / 18 ... 14 AWG
Fine-stranded conductor; with insulated ferrule 2	0.5 ... 1 mm ² / 18 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule 2	0.5 ... 1.5 mm ² / 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 mm ² / 18 ... 16 AWG
Fine-stranded conductor; with insulated ferrule 3	0.5 ... 0.75 mm ² / 18 AWG
Fine-stranded conductor; with uninsulated ferrule 3	0.5 ... 1 mm ² / 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 mm ² / 18 AWG
Strip length 4	8 ... 9 mm / 0.31 ... 0.35 inches

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



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

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

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PU (SPU)	250 pcs
Packaging type	bag
Country of origin	PL
GTIN	4050821098126
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)	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-08dad08c6c5
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

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

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

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

294-4455 X81 - Datei	2019 年2月19 日	xml 5.7 kB	Download
294-4455 doc - Datei	2017 年6月13 日	doc 29.2 kB	Download

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Additional Information

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CAD/CAE-Data

CAD data

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Environmental Product Compliance

Compliance Search

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Surrounding air temperature: max 85°C (T85); 2,50 mm²; white

Installation Notes

Installation



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

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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



Internal connection:

PUSH WIRE® for internal wiring with solid conductors



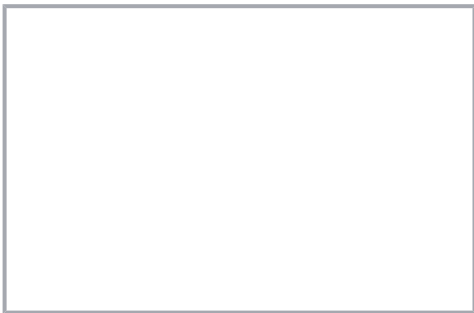
External connection:

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

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



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



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