

Data sheet | Item number: 294-4424

Lighting connector; push-button, external; with screw-type ground contact;
4-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/294-4424



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!

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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	20
Total number of potentials	4
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	4
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	40 mm / 1.575 inches
Height from the surface	17 mm / 0.669 inches
Depth	27.3 mm / 1.075 inches

Mechanical Data

Marking	1/L'-2/L- $\frac{1}{2}$ -N
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	0.24 MJ
Halogen-free	Yes
Weight	12.8 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)	500 pcs
Packaging type	bag
Country of origin	PL
GTIN	4050821098089
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)	d1cc0558-5200-4339-96c5-0c6d02bd38a2
SCIP notification number (Belgium)	7a2469cf-ee53-42b6-ba93-19a2d6e24712
SCIP notification number (Bulgaria)	26e22b25-41f6-45e0-a548-a77c7f08f9f6
SCIP notification number (Czech Republic)	dfff3e6e-3344-455f-8af9-d1c03c6f877c
SCIP notification number (Denmark)	9d526324-0cfe-4c41-86fb-85c138aa85d3
SCIP notification number (Finland)	cf12b857-4293-4e6c-97d5-06d2ddf53639
SCIP notification number (France)	26ce8de8-2305-4e19-80e9-ff0712fb5b7b
SCIP notification number (Germany)	046448e2-cf7a-408b-adab-34ffc853fff6
SCIP notification number (Hungary)	4a5d3720-b63c-4b0d-ad56-4f6e9bd7aa85
SCIP notification number (Italy)	8f0b79f9-f9ac-4b24-8129-580bf7fd0089
SCIP notification number (Netherlands)	672f478b-4597-44e1-8979-219b18e81a42
SCIP notification number (Poland)	833c6a90-a0d4-4e96-9e7f-cff054ec1569
SCIP notification number (Romania)	669fbf22-743e-4cb6-89c9-674b1fcbdbc5
SCIP notification number (Sweden)	d685294e-5775-463a-bbaa-df560e9e1256

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

Tool

Operating tool		
	Item no.: 206-294 Disconnection tool; green	www.wago.com/206-294

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

Downloads

Documentation

Bid Text

294-4424 X81 - Datei	2019 年2月19日	xml 5.7 kB	Download
294-4424 doc - Datei	2017 年6月13日	doc 28.7 kB	Download

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Additional Information

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CAD/CAE-Data

CAD data

2D/3D Models 294-4424 URL Download

CAE data

WSCAD Universe 294-4424 URL Download

ZUKEN Portal 294-4424 URL Download

Environmental Product Compliance

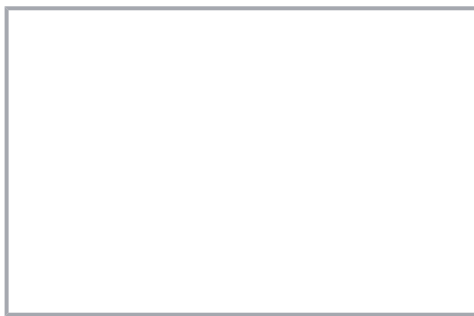
Compliance Search

Environmental Product Compliance 294-4424 URL Download

Lighting connector; push-button, external; with screw-type ground contact; 4-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

Installation Notes

Installation



4-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.



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