

**Data sheet | Item number: 294-5013**

Lighting connector; push-button, external; without ground contact; N-PE-L;  
3-pole; Lighting side: for solid conductors; Inst. side: for all conductor types;  
max. 2.5 mm<sup>2</sup>; Surrounding air temperature: max 85°C (T85); 2,50 mm<sup>2</sup>; white

[www.wago.com/294-5013](http://www.wago.com/294-5013)



Color:



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

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### 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

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



## 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	15
Total number of potentials	3
Number of connection types	4
PE function	without PE contact

## Connection 1

Connection type 1	External 1
Connection technology	Push-in CAGE CLAMP <sup>®</sup>
Number of connection points	2
Actuation type	Push-button
Connectable conductor materials	Copper
Solid conductor	0.5 ... 2.5 mm <sup>2</sup> / 18 ... 12 AWG
Solid conductor; push-in termination	0.5 ... 2.5 mm <sup>2</sup> / 18 ... 12 AWG
Stranded conductor	0.5 ... 2.5 mm <sup>2</sup> / 18 ... 14 AWG
Fine-stranded conductor	0.5 ... 2.5 mm <sup>2</sup> / 18 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 1.5 mm <sup>2</sup> / 18 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1.5 mm <sup>2</sup> / 18 ... 16 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 mm <sup>2</sup> / 18 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

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



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 mm <sup>2</sup> / 18 ... 14 AWG
Fine-stranded conductor; with insulated ferrule 2	0.5 ... 1 mm <sup>2</sup> / 18 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule 2	0.5 ... 1.5 mm <sup>2</sup> / 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 <sup>2</sup> / 18 ... 16 AWG
Fine-stranded conductor; with insulated ferrule 3	0.5 ... 0.75 mm <sup>2</sup> / 18 AWG
Fine-stranded conductor; with uninsulated ferrule 3	0.5 ... 1 mm <sup>2</sup> / 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 <sup>2</sup> / 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	21.53 mm / 0.848 inches
Height from the surface	17 mm / 0.669 inches

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Depth	27.3 mm / 1.075 inches
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## Mechanical Data

Marking	N- $\frac{1}{2}$ -L
Mounting type	Snap-in foot

## 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 <sub>Cu</sub> )
Contact plating	Tin
Fire load	0.183 MJ
Halogen-free	Yes
Weight	9.2 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
Recupel Type	
PU (SPU)	500 pcs
Packaging type	Foil
Country of origin	CH
GTIN	4050821020769

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



Customs tariff number	85369010000
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## 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)	261e4131-dfa1-4519-b046-8ba29a052b54
SCIP notification number (Belgium)	2c241a96-e9e8-4aaa-8b37-a1c69dd1eb93
SCIP notification number (Bulgaria)	9fc27bff-8e04-413e-bc77-16aac5df3365
SCIP notification number (Czech Republic)	6a076f0d-d806-4563-aa57-c95910ca78eb
SCIP notification number (Denmark)	15b035cd-24b4-4da1-a5a1-8bc1180e43ef
SCIP notification number (Finland)	c6dfa81e-6a4f-433c-b60b-384745832484
SCIP notification number (France)	f9b42a0b-ecea-4f72-b8de-a37feab979a1
SCIP notification number (Germany)	27bf33bf-13ef-4c7f-8836-a3d119bf4c37
SCIP notification number (Hungary)	8a5c5a57-b067-49ed-b7b7-91d68bb5f60d
SCIP notification number (Italy)	824ef409-e605-41fb-bc1d-8197a7a56593
SCIP notification number (Netherlands)	c056a6d6-e95d-4305-8962-bd0f4f67a7e9
SCIP notification number (Poland)	fb5c304-e75e-43fa-8d15-9a8a76838533
SCIP notification number (Romania)	8caed363-3f18-4a40-9e3f-feccad99e6b5
SCIP notification number (Sweden)	cdb67ae8-3810-474d-bb10-ff17b7bc68bc

## Approvals / Certificates

### General approvals

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

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## Declarations of conformity and manufacturer's declarations

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

## Optional accessories

## Strain relief

Strain relief		
	<b>Item no.: 294-370</b> Strain relief; for 294 Series; with snap-in mounting feet; white	<a href="http://www.wago.com/294-370">www.wago.com/294-370</a>
	<b>Item no.: 294-375</b> Strain relief; for 294 Series; without snap-in mounting feet; white	<a href="http://www.wago.com/294-375">www.wago.com/294-375</a>
Strain relief plate		
	<b>Item no.: 294-364</b> Strain relief plate; for 294 Series; for multicore cables; 3- to 5-pole; with secured clamp; white	<a href="http://www.wago.com/294-364">www.wago.com/294-364</a>
	<b>Item no.: 294-384</b> Strain relief plate; for 294 Series; for single strands; 3- to 5-pole; with secured clamp; white	<a href="http://www.wago.com/294-384">www.wago.com/294-384</a>
Tool		
Operating tool		
	<b>Item no.: 206-294</b> Disconnection tool; green	<a href="http://www.wago.com/206-294">www.wago.com/206-294</a>

## Downloads

## Documentation

## Bid Text

294-5013 X81 - Datei	2019 年2月19 日	xml 5.7 kB	Download
294-5013 doc - Datei	2017 年6月13 日	doc 27.6 kB	Download

## Additional Information

		pdf 2.3 MB	Download
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## CAD/CAE-Data

### CAD data

2D/3D Models 294-5013	<a href="#">URL</a>	<a href="#">Download</a>
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### CAE data

WSCAD Universe 294-5013	<a href="#">URL</a>	<a href="#">Download</a>
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ZUKEN Portal 294-5013	<a href="#">URL</a>	<a href="#">Download</a>
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 294-5013	<a href="#">URL</a>	<a href="#">Download</a>
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Surrounding air temperature: max 85°C (T85); 2,50 mm<sup>2</sup>; white

## Installation Notes

### Installation



3-pole – without ground contact



Snap-in foot

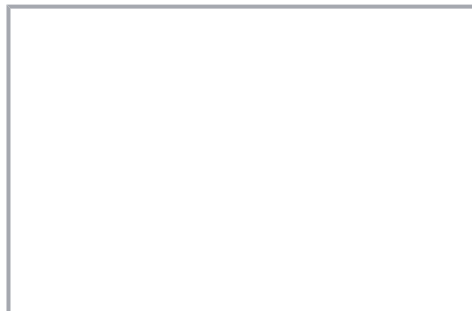
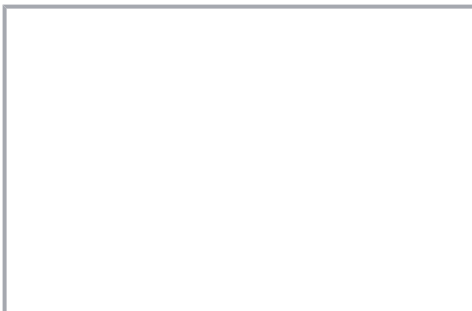
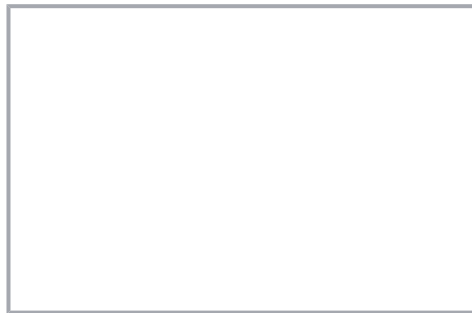
Subject to changes. Please also observe the further product documentation!





Drilled hole for snap-in mounting foot

**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

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



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



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