

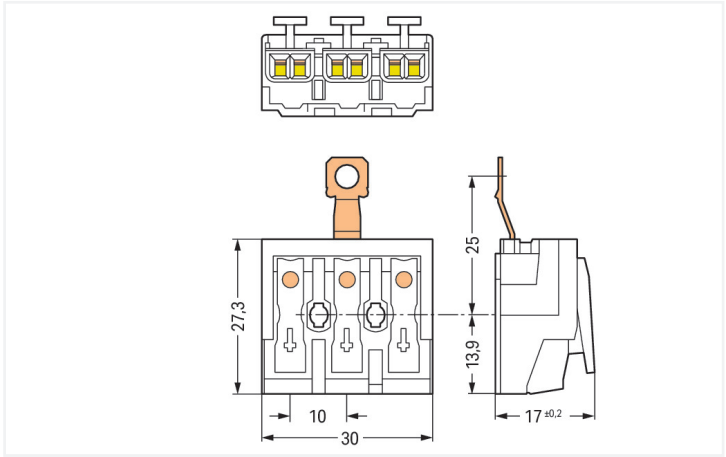
Data Sheet | Item Number: 294-4423

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; Sur-
rounding air temperature: max 85°C (T85); white

<https://www.wago.com/294-4423>



Color: ■ white



Dimensions in mm

Field-wiring terminal block, 294 Series, white

This field-wiring terminal block (item number 294-4423) is designed for easy and secure connections. Strip lengths must be between 8 and 9 mm when connecting conductors to this field-wiring terminal block. This product features four conductor terminals and utilizes Push-in CAGE CLAMP® as well as PUSH WIRE®. Push-in CAGE CLAMP® technology provides a universal connection solution for all conductor types. It allows both solid and fine-stranded conductors with ferules to be inserted directly into the clamping point without the need for tools. Our PUSH WIRE® connection offers a quick and easy method for connecting solid conductors. The dimensions are (30 x 17 x 27.3) mm (width x height x depth). This field-wiring terminal block is suitable for conductor cross sections ranging from 0.5 mm² to 2.5 mm² on one side and for conductor cross sections ranging from 0.5 mm² to 2.5 mm² on the other side as well as conductor cross sections from 0.5 mm² to 2.5 mm² and from 0.5 mm² to 0.75 mm² depending on the conductor type.

The contact surface is coated with tin.

Electrical data				
Ratings per		IEC/EN 60998-1		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		-	-	500 V
Rated impulse withstand voltage		-	-	4 kV
Rated current		-	-	24 A
Ratings per		IEC/EN 60998-2-2		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		-	-	500 V
Rated impulse withstand voltage		-	-	4 kV
Rated current		-	-	24 A
General information				
Wiring direction		Side-entry wiring		
Ratings (note)		Connection points		

Connection 1	
Connection type	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	3

Connection 3	
Connection type	Internal 3
Connection technology	PUSH WIRE®
Number of connection points	1
Actuation type	Push-in
Solid conductor	0.5 ... 1.5 mm² / 18 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 0.75 mm² / 18 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1 mm² / 18 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

Page 2/6

Version 20.04.2026

Continued on next page

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Note (material data)	Information on material specifications can be found here
Color	white
Material group	IIIa
Insulation material (main housing)	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	0.138 MJ
Halogen-free	Yes
Weight	9.8 g

Temperature stability	120 °C
T marking	T85

Product Group	8 (Misc. Chassis Mount Blocks)
PU (SPU)	500 pcs
Packaging type	Bag
Country of origin	PL
GTIN	4050821098072
Customs tariff number	85369010000

UNSPSC	39121409
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 9.0	EC001284
ETIM 10.0	EC001284
ECCN	NO US CLASSIFICATION

RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Austria)	c11dd870-2c58-43af-9d36-ba52bd9a7787
SCIP notification number (Belgium)	95405ccf-8d30-48fc-93e9-55e35173cb07
SCIP notification number (Bulgaria)	4870e00c-b6cc-424c-976e-88ec6713ffd1
SCIP notification number (Czech Republic)	27436b16-0640-46db-b17f-28a38ec94ea8
SCIP notification number (Denmark)	6d2db9bb-bbed-41fc-87a1-933a4e8b4e95
SCIP notification number (Finland)	21fa5aea-a02c-42da-87c4-2453b1c4c5ef
SCIP notification number (France)	390fdf5e-6478-469d-90e2-4b0b9b3f41a7
SCIP notification number (Germany)	adaf5af9-d3bd-4dce-af8b-1a45935f0fa6
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SCIP notification number (Italy)	9761b5f2-1f80-481a-83af-b188ffa3d9c
SCIP notification number (Netherlands)	854a15b2-6c8d-4359-abdf-decc559cd531
SCIP notification number (Poland)	408f21bc-f04c-43d4-8715-eccef384b2ec5
SCIP notification number (Romania)	3bb4c588-d716-4e8d-85d9-f10ac8b0369c

Environmental Product Compliance	
SCIP notification number (Sweden)	45e8e7bb-f845-41f0-ad86-afde398cae51

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
ENEC 05 DEKRA Certification B.V.	EN 60998	2128791.01	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
			UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 294-4423	

Documentation

Bid Text			
294-4423	19.02.2019	xml 5.59 KB	
294-4423	13.06.2017	doc 28.00 KB	

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 294-4423		WSCAD Universe 294-4423	
		ZUKEN Portal 294-4423	

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 ≤ 4.1 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

EUROPE
1 x 0.5 ... 2.5 mm² "s"
1 x 0.5 ... 1.5 mm² "s"
1 x 0.5 ... 0.75 mm² "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"

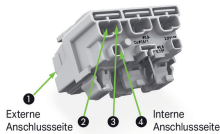
Internal connection:
PUSH WIRE® for internal wiring with solid conductors

EUROPE
2 x 0.5 ... 2.5 mm² "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 mm² "str, f-str"

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



Conductor termination



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

