

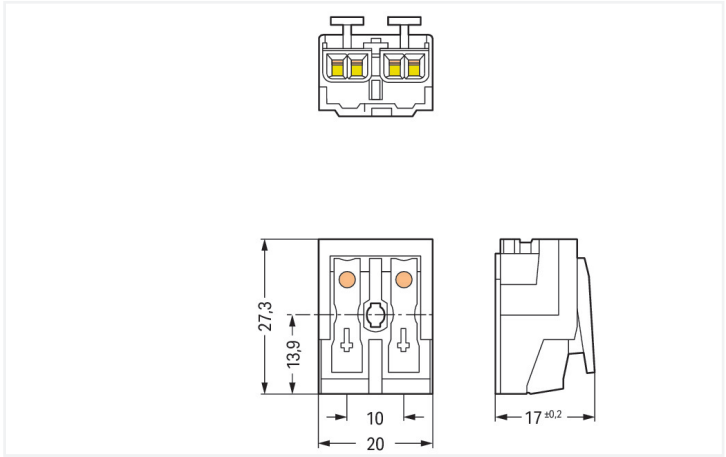
Data Sheet | Item Number: 294-4042

Lighting connector; push-button, external; without ground contact; 2-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²; Surrounding air temperature: max 85°C (T85); white

<https://www.wago.com/294-4042>



Color: ■ white



Dimensions in mm

Field-wiring terminal block, 294 Series, Push-in

This field-wiring terminal block (item number 294-4042) is designed to connect conductors quickly and easily. Conductors can only be connected to this field-wiring terminal block if their strip length is between 8 and 9 mm . Featuring four conductor terminals along with Push-in CAGE CLAMP® as well as PUSH WIRE®, this product outperforms the competition. Push-in CAGE CLAMP® technology provides a universal connection solution for any type of conductor. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. Our proven PUSH WIRE® connection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. The item's dimensions are (20 x 17 x 27.3) mm (width x height x depth). Depending on the type of conductor, this field-wiring terminal block is designed for conductor cross sections ranging from 0.5 mm² to 2.5 mm² on one side and for conductor cross sections from 0.5 mm² to 2.5 mm² on the other side as well as conductor cross sections from 0.5 mm² to 1.5 mm² and from 0.5 mm² to 0.75 mm².

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 per IEC/EN – Notes				
Ratings (note)		Connection points		



Connection Data

Clamping units	10
Total number of potentials	2
Number of connection types	4
PE function	without PE contact

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 fer- rule	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	2
Wiring direction	Side-entry wiring

Connection 2	
Connection type	Internal 2
Connection technology	PUSH WIRE®
Number of connection points	1
Actuation type	Push-in
Solid conductor	0.5 ... 2.5 mm² / 18 ... 14 AWG
Fine-stranded conductor; with insulated fer- rule	0.5 ... 1 mm² / 18 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1.5 mm² / 18 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

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 fer- rule	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

Connection 4	
Connection type	Internal 4
Connection technology	PUSH WIRE®
Number of connection points	1
Actuation type	Push-in
Solid conductor	0.5 ... 0.75 mm² / 18 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

Physical data	
Pin spacing	10 mm / 0.394 inches
Width	20 mm / 0.787 inches
Height	17 mm / 0.669 inches
Depth	27.3 mm / 1.075 inches

Mechanical data		
Marking		2-1
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 (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		0.093 MJ
Halogen-free		Yes
Weight		6.1 g

Environmental requirements		
Temperature stability		120 °C
T marking		T85

Commercial data		
Product Group		8 (Misc. Chassis Mount Blocks)
PU (SPU)		1000 pcs
Packaging type		Foil
Country of origin		CH
GTIN		4050821097754
Customs tariff number		85369010000

Product Classification		
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

Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption
SCIP notification number (Austria)		44961d3f-16fc-4e92-967d-4a4c00e03723
SCIP notification number (Belgium)		07ef0548-070d-4c51-9be7-f3d48912e3c0
SCIP notification number (Bulgaria)		2a73ebcb-5732-4beb-a7c7-89a06f38afff
SCIP notification number (Czech Republic)		5b7f6e35-5bfd-478e-a695-97e67e685365
SCIP notification number (Denmark)		dbc4c28a-b75a-4f76-83fa-b1ec0a1c1291
SCIP notification number (Finland)		a547d5e5-13e1-45c7-bd6b-781b617d1a5f
SCIP notification number (France)		80b82a68-8c80-47b1-8e35-4be540b55e9f
SCIP notification number (Germany)		f7990e5c-d229-4d2a-941f-4c92388be2d1
SCIP notification number (Hungary)		c7c4ae49-683e-4c63-bf6b-a47d6af4baea
SCIP notification number (Italy)		b5920b84-2bf1-4e50-a3cc-1431eee05f69
SCIP notification number (Netherlands)		da89a0a8-3675-4907-b3b8-a1057733d679
SCIP notification number (Poland)		1e7e526d-614c-4fc9-be8e-7e347457d2e5
SCIP notification number (Romania)		8f9a536d-b123-4fdd-bd26-59bb71f36ba9

Environmental Product Compliance	
SCIP notification number (Sweden)	8b13f0ea-15ee-4e0c-87a5-571a9bebe658

Approvals / Certificates

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

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 294-4042	

Documentation

Bid Text			
294-4042	19.02.2019	xml 5.57 KB	
294-4042	13.06.2017	doc 27.00 KB	

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 294-4042		WSCAD Universe 294-4042	
		ZUKEN Portal 294-4042	

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

2-pole – without ground contact

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

Contact Technology

- Contact frame made of electrical-grade, fire-rated
- Contact pins made of electrical-grade, fire-rated
- Contact pins made of electrical-grade, fire-rated
- Contact pins made of electrical-grade, fire-rated

EUROPE
1 x 0.5 ... 2.5 mm ² "s"
1 x 0.5 ... 1.5 mm ² "s"
1 x 0.5 ... 0.75 mm ² "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"

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

External connection

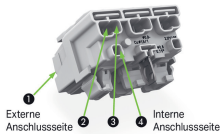
Internal connection

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

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



Conductor termination



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

