

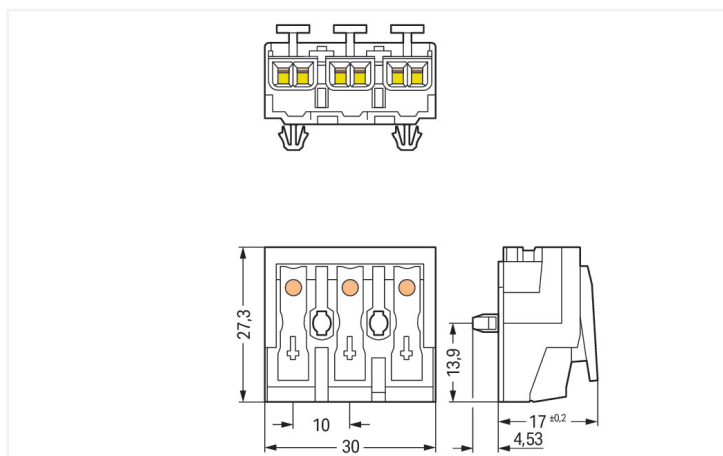
Data Sheet | Item Number: 294-5003

Lighting connector; push-button, external; without ground contact; 3-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/294-5003>



Color: ■ white



Dimensions in mm

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

Our field-wiring terminal block (item number 294-5003) is designed for seamless electrical installations. Conductors should only be connected to this field-wiring terminal block if their strip length is between 8 and 9 mm. 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 ferrules to be inserted directly into the clamping point without the need for tools. Our PUSH WIRE® connection uses the stiffness of the conductor to overcome the clamping spring's contact force, allowing you to clamp the conductor in place more quickly and easily. The item's dimensions are (30 x 21.53 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.

Tin is used for coating the contact surfaces.



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 – Notes	
Ratings (note)	Connection points

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

Connection Data

Clamping units	15
Total number of potentials	3
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	3

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

Connection 4	
Strip length	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
Depth		27.3 mm / 1.075 inches

Mechanical data		
Marking		plain
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 (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		0.14 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)
PU (SPU)		500 pcs
Packaging type		Foil
Country of origin		CH
GTIN		4050821020745
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)	793275fa-1f74-43ae-868e-98fdb87ff0f7
SCIP notification number (Belgium)	2dfccb15-27d8-4028-97dc-79a9ffd8608
SCIP notification number (Bulgaria)	ed6e88f1-12b6-4a1b-8fa9-63220f8f2e95
SCIP notification number (Czech Republic)	77338b18-1a0e-45a1-9e70-e1922553e558
SCIP notification number (Denmark)	678805f4-b99e-44a5-8d31-b7a1839e2574
SCIP notification number (Finland)	a94e5958-1bd5-4382-b2ff-a5ab87beab89
SCIP notification number (France)	81d0773b-6afd-4140-b4da-e3a8c1a3753a
SCIP notification number (Germany)	f50eb575-56fe-4181-b628-ad57d041c045
SCIP notification number (Hungary)	492d9563-08db-4268-b9f1-1259159cbdb
SCIP notification number (Italy)	cc397c41-21b7-4880-ac73-c6060e62efc5
SCIP notification number (Netherlands)	e7e9f636-0fd3-4a02-bf89-78068efc77f8
SCIP notification number (Poland)	6f1297c0-557a-4a7a-a422-63ee3a69a6bd
SCIP notification number (Romania)	094db045-80d6-4884-ad1d-11d33339437f
SCIP notification number (Sweden)	474e4afd-0223-48d8-968d-8bbf49248f75

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
		
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 294-5003	

Documentation			
Bid Text			
294-5003	19.02.2019	xml 5.57 KB	
294-5003	13.06.2017	doc 27.00 KB	



CAD/CAE-Data

CAD data	CAE data
2D/3D Models 294-5003	WSCAD Universe 294-5003
	
	ZUKEN Portal 294-5003
	

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

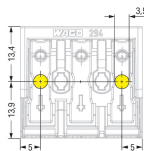
1.1.2.2 Operating tool



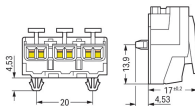
Item No.: 206-294
Disconnection tool; green

Installation Notes

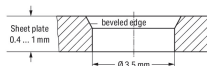
Installation



3-pole – without ground contact



Snap-in foot



Drilled hole for snap-in mounting foot

Conductor termination

Contact Technology

Ground connection made of copper alloy (5% phosphor)

Contact frame made of electrical nickel-silver (brass)

Damping spring (copper alloy) (5% phosphor)

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

Externe Anschlussseite

Interne Anschlussseite

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

Dimensions: 10mm, 12mm, 16mm, 20mm, 25mm, 30mm, 35mm, 40mm, 45mm, 50mm, 55mm, 60mm, 65mm, 70mm, 75mm, 80mm, 85mm, 90mm, 95mm, 100mm, 105mm, 110mm, 115mm, 120mm, 125mm, 130mm, 135mm, 140mm, 145mm, 150mm, 155mm, 160mm, 165mm, 170mm, 175mm, 180mm, 185mm, 190mm, 195mm, 200mm, 205mm, 210mm, 215mm, 220mm, 225mm, 230mm, 235mm, 240mm, 245mm, 250mm, 255mm, 260mm, 265mm, 270mm, 275mm, 280mm, 285mm, 290mm, 295mm, 300mm, 305mm, 310mm, 315mm, 320mm, 325mm, 330mm, 335mm, 340mm, 345mm, 350mm, 355mm, 360mm, 365mm, 370mm, 375mm, 380mm, 385mm, 390mm, 395mm, 400mm, 405mm, 410mm, 415mm, 420mm, 425mm, 430mm, 435mm, 440mm, 445mm, 450mm, 455mm, 460mm, 465mm, 470mm, 475mm, 480mm, 485mm, 490mm, 495mm, 500mm, 505mm, 510mm, 515mm, 520mm, 525mm, 530mm, 535mm, 540mm, 545mm, 550mm, 555mm, 560mm, 565mm, 570mm, 575mm, 580mm, 585mm, 590mm, 595mm, 600mm, 605mm, 610mm, 615mm, 620mm, 625mm, 630mm, 635mm, 640mm, 645mm, 650mm, 655mm, 660mm, 665mm, 670mm, 675mm, 680mm, 685mm, 690mm, 695mm, 700mm, 705mm, 710mm, 715mm, 720mm, 725mm, 730mm, 735mm, 740mm, 745mm, 750mm, 755mm, 760mm, 765mm, 770mm, 775mm, 780mm, 785mm, 790mm, 795mm, 800mm, 805mm, 810mm, 815mm, 820mm, 825mm, 830mm, 835mm, 840mm, 845mm, 850mm, 855mm, 860mm, 865mm, 870mm, 875mm, 880mm, 885mm, 890mm, 895mm, 900mm, 905mm, 910mm, 915mm, 920mm, 925mm, 930mm, 935mm, 940mm, 945mm, 950mm, 955mm, 960mm, 965mm, 970mm, 975mm, 980mm, 985mm, 990mm, 995mm, 1000mm