

Data Sheet | Item Number: 294-4055

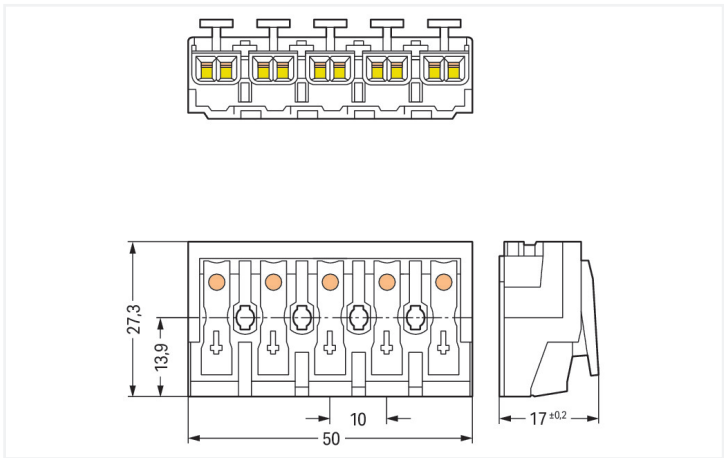
Lighting connector; push-button, external; without ground contact; 5-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²; Surrounding air temperature: max 85°C (T85); white

<https://www.wago.com/294-4055>



Color: ■ white

Similar to illustration



Dimensions in mm

Field-wiring terminal block, 294 Series, white

This field-wiring terminal block (item number 294-4055) streamlines wire connections, making them both quick and easy. 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® and 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 trusted PUSH WIRE® connection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. Our trusted PUSH WIRE® connection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. Dimensions: (50 x 17 x 27.3) mm (width x height x depth). Depending on the type of conductor, this field-wiring terminal block is ideal 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		Connection points		
Ratings (note)				

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	25
Total number of potentials	5
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	5
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	50 mm / 1.969 inches
Height	17 mm / 0.669 inches
Depth	27.3 mm / 1.075 inches

Mechanical data		
Marking		3-N-Ⓢ-1-2
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		0.229 MJ
Halogen-free		Yes
Weight		15.2 g

Environmental requirements		
Temperature stability		120 °C
T marking		T85

Commercial data		
Product Group		8 (Misc. Chassis Mount Blocks)
PU (SPU)		250 pcs
Packaging type		Foil
Country of origin		CH
GTIN		4050821097815
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)		8cef54f5-d1e4-4d62-9779-ce4c4bda1a1d
SCIP notification number (Belgium)		09986d1b-960c-4b9f-9878-56e0a681fec7
SCIP notification number (Bulgaria)		dc2cda6c-bf1c-4403-9b5f-e2533665f840
SCIP notification number (Czech Republic)		e681cc5f-232d-46f8-b04e-bd0791d3b507
SCIP notification number (Denmark)		ed07e65a-9e6c-4ce6-a312-99086211063d
SCIP notification number (Finland)		91d48d8d-be17-455f-b866-40228b981a23
SCIP notification number (France)		45139cbb-c93d-4314-b970-f6c94dfab7e6
SCIP notification number (Germany)		9a59d1d7-e052-4a16-a09e-8f85c7d2b83f
SCIP notification number (Hungary)		3603553e-0d2d-4530-9ec2-ecb9248e39d0
SCIP notification number (Italy)		bcbc1f5e-5fa1-4aab-9b9e-a4fd991c1e3b
SCIP notification number (Netherlands)		20029748-2ec0-4079-b804-5128a4ce7f8c
SCIP notification number (Poland)		61d51656-4a90-45eb-92a1-177ecd21b209
SCIP notification number (Romania)		265c04b6-8ba4-4899-9e9f-61d56ada436c

Environmental Product Compliance	
SCIP notification number (Sweden)	9affa924-bee5-4ee9-80cc-46bce67bbfa4

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									
		<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Conformity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Conformity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr></table>	Approval	Standard	Certificate Name	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-
Approval	Standard	Certificate Name									
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 294-4055	

Documentation

Bid Text			
294-4055	13.06.2017	doc 28.50 KB	
294-4055	19.02.2019	xml 5.58 KB	

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 294-4055 	WSCAD Universe 294-4055 
	ZUKEN Portal 294-4055 

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

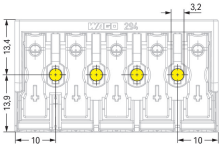
1.1.2.2 Operating tool



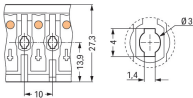
Item No.: 206-294
Disconnection tool; green

Installation Notes

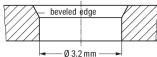
Installation



5-pole – without ground contact

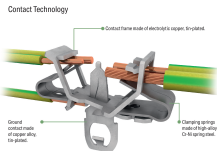


Mounting hole for screw
Notice: The maximum thread diameter for self-tapping screws is 3 mm.



Hole for screw mount
Notice: The maximum thread diameter for self-tapping screws is 3 mm.

Conductor termination

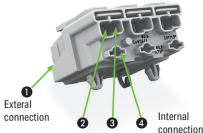


EUROPE
1 x 0.5 ... 2.5 mm² "s"
1 x 0.5 ... 1.5 mm² "s"
1 x 0.5 ... 0.75 mm² "s"
AMERICA
1 x AWG 18 ... 14 "s"
1 x AWG 18 ... 16 "s"
1 x AWG 18 "s"
JAPAN
1 x 0.8 ... 1.6 mm diam. "s"
1 x 0.8 ... 1 mm diam. "s"
1 x 0.8 mm diam. "s"

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"

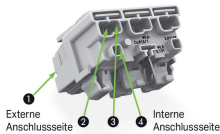


External connection
Internal connection

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.

