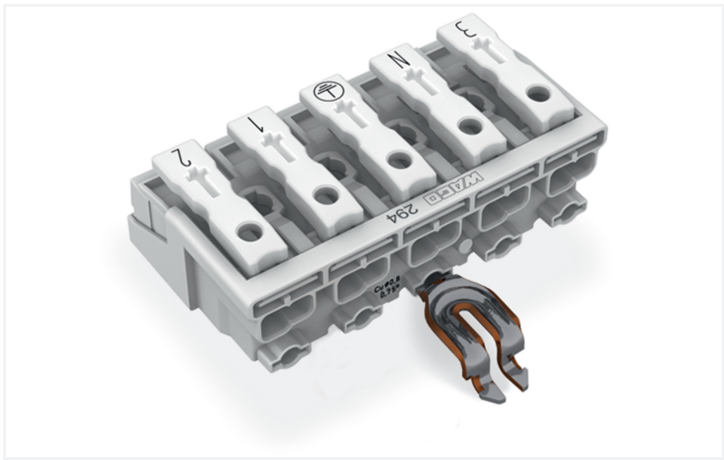


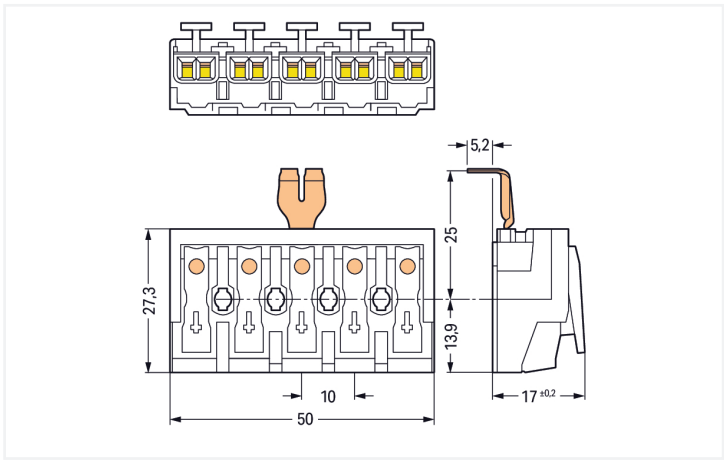
Data Sheet | Item Number: 294-4255

Lighting connector; push-button, external; with snap-in 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/294-4255>



Color: ■ white



Dimensions in mm

Field-wiring terminal block, 294 Series, Push-in CAGE CLAMP®

This field-wiring terminal block (item number 294-4255) is designed for quick and simple connections. Ensure that the strip lengths are 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 ferrules to be inserted directly into the clamping point without the need for tools. Our PUSH WIRE® connection is the simple and reliable method for connecting solid conductors. 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 suitable 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		Ratings per IEC/EN – Notes	
Overvoltage category	III	III	II	Ratings (note)	Connection points
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		General information	
Overvoltage category	III	III	II	Wiring direction	Side-entry wiring
Pollution degree	3	2	2		
Nominal voltage	-	-	500 V		
Rated impulse withstand voltage	-	-	4 kV		
Rated current	-	-	24 A		



Connection Data

Clamping units	25
Total number of potentials	5
Number of connection types	4
PE function	Snap-in 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		16.1 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		Bag
Country of origin		PL
GTIN		4050821097921
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)		1dad65e1-9c67-4c75-a2a6-07e5ac95822b
SCIP notification number (Belgium)		a44e379b-9b33-4976-a2dc-46816814c6cf
SCIP notification number (Bulgaria)		e81895d6-3fe3-40a3-9cc1-8540f9864ba1
SCIP notification number (Czech Republic)		6508d829-9b5b-4a3c-9547-781c740f3fb
SCIP notification number (Denmark)		3522c810-f226-402e-b894-46e4d70b5b75
SCIP notification number (Finland)		bc334393-08c8-4f38-96cd-8a5022ab0810
SCIP notification number (France)		94d25be5-9104-4591-8f17-19023552468c
SCIP notification number (Germany)		7f217438-45e9-47c4-b6bb-5017eafe05a3
SCIP notification number (Hungary)		1fc74c59-886b-473f-a676-35c890848b29
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SCIP notification number (Netherlands)		3313ebe8-ae9d-4e94-8178-2bdb1efcb9fb
SCIP notification number (Poland)		aef5041b-aea4-4b0f-b4d4-8de6bf50a7ce
SCIP notification number (Romania)		ccf69f95-2cd4-4414-aa70-4043a056a913

Environmental Product Compliance	
SCIP notification number (Sweden)	de712721-01fb-46eb-803f-6d632a1e4556

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 294-4255	

Documentation

Bid Text			
294-4255	19.02.2019	xml 5.58 KB	
294-4255	13.06.2017	doc 28.50 KB	

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 294-4255 	WSCAD Universe 294-4255 
	ZUKEN Portal 294-4255 

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

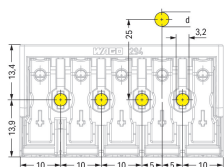


Item No.: 206-294

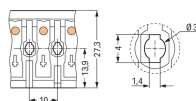
Disconnection tool; green

Installation Notes

Installation

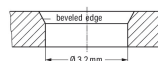


5-pole – with snap-in ground contact, d = 4.9 mm



Mounting hole for screw

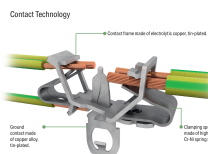
Notice: The maximum thread diameter for self-tapping screws is 3 mm.



Hole for screw mount

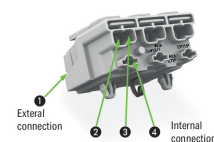
Notice: The maximum thread diameter for self-tapping screws is 3 mm.

Conductor termination



EUROPE
1 x 0.5 ... 2.5 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 ³ s, str, f-str ^r
AMERICA
2 x AWG 18 ... 12 "s"
2 x AWG 18 ... 14 "s, f-str ^r
JAPAN
2 x 0.8 ... 2 mm diam. "s"
2 x 0.5 ... 2 mm ³ str, f-str ^r

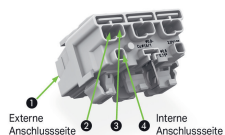


Internal connection:

PUSH WIRE® for internal wiring with solid conductors

External connection:

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



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

