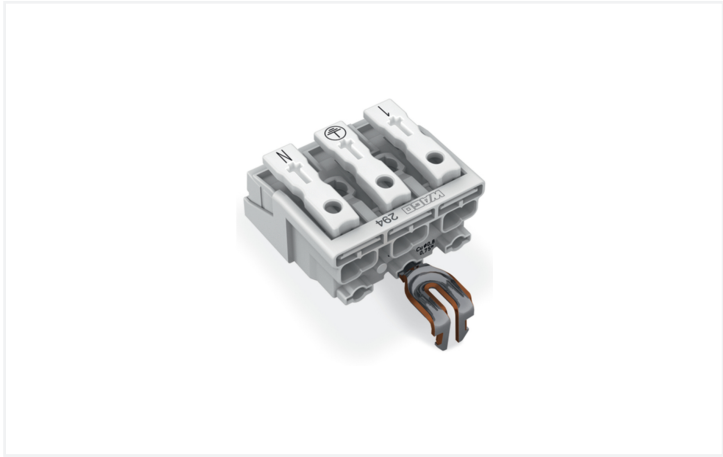


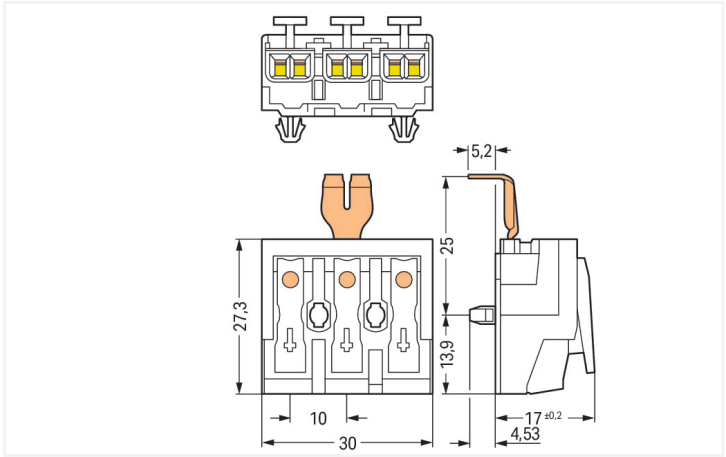
Data Sheet | Item Number: 294-5253

Lighting connector; push-button, external; with snap-in 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/294-5253>



Color: ■ white



Dimensions in mm

Field-wiring terminal block, 294 Series, push-button

Our field-wiring terminal block (item number 294-5253) ensures effortless electrical installations. 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® and PUSH WIRE®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, featuring a winning design: both solid and fine-stranded conductors with ferrules can be directly inserted without the need for tools or any preparation, such as crimping the ferrule. Our PUSH WIRE® connection uses the stiffness of the conductor to overcome the clamping spring's contact force, allowing faster and easier conductor clamping. The item's dimensions are (30 x 21.53 x 27.3) mm (width x height x depth). Depending on the conductor type, 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.

The contact surface is coated with tin.

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	15
Total number of potentials	3
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 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 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 ferrule	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 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

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	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		1-Ⓢ-N
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		19.4 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		Bag
Country of origin		PL
GTIN		4050821098454
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)		ba7604b2-1b00-4567-8dcc-c83b7d43d637
SCIP notification number (Belgium)		47774923-1464-4ac6-8162-e14a947dc5d0
SCIP notification number (Bulgaria)		8cb83105-0d20-4276-9db7-5b24ace4073c
SCIP notification number (Czech Republic)		3dae8509-832d-47c4-b6d7-281adaa46828
SCIP notification number (Denmark)		0761a5ac-977e-4400-a01f-c7003aa0bd17
SCIP notification number (Finland)		0c0d4c9f-976f-4071-924d-e47b435dd645
SCIP notification number (France)		156626d3-aa5d-4143-9fc5-2e9abccd4e0c
SCIP notification number (Germany)		e7a6eb6d-74f7-41c2-bc01-eff57bcf769e
SCIP notification number (Hungary)		c6add8e2-7564-43d3-a33a-e1022b2f83a2
SCIP notification number (Italy)		3efbc35d-7fdc-42a2-b9d4-0380a7f27688
SCIP notification number (Netherlands)		7a02ca8a-dfd5-49dd-88f2-8e0c8debd532
SCIP notification number (Poland)		b0589471-dd81-4b2c-8fa2-9a7bbb6d890b
SCIP notification number (Romania)		486f87c0-5104-4f43-b2f7-15bca369ce3c

Environmental Product Compliance	
SCIP notification number (Sweden)	13a7d398-638f-4036-b2f6-b3034c8412d3

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 294-5253	

Documentation

Bid Text			
294-5253	13.06.2017	doc 28.00 KB	
294-5253	19.02.2019	xml 5.58 KB	

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 294-5253 	WSCAD Universe 294-5253 
	ZUKEN Portal 294-5253 

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

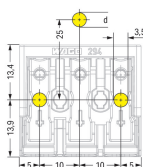


Item No.: 206-294

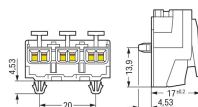
Disconnection tool; green

Installation Notes

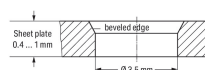
Installation



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

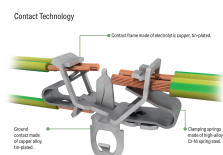


Snap-in foot



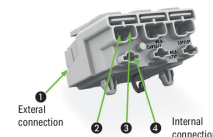
Drilled hole for snap-in mounting foot

Conductor termination



EUROPE
1 x 0.5 ... 2.5 mm ³ "s"
1 x 0.5 ... 1.5 mm ³ "s"
1 x 0.5 ... 0.75 mm ³ "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"

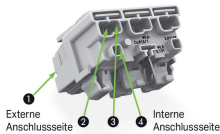
EUROPE
2 x 0.5 ... 2.5 mm ² *s, str, f-str ^o
AMERICA
2 x AWG 18 ... 12 "s"
2 x AWG 18 ... 14 "s, f-str ^o
JAPAN
2 x 0.8 ... 2 mm diam. "s"
2 x 0.5 ... 2 mm ² *str, f-str ^o



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.

