

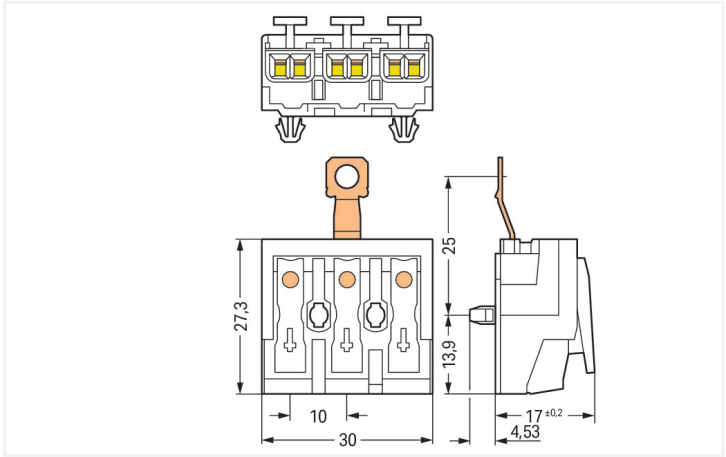
Data Sheet | Item Number: 294-5453

Lighting connector; push-button, external; with screw-type ground contact; 3-pole;
Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²; Sur-
rounding air temperature: max 85°C (T85); white

<https://www.wago.com/294-5453>



Color: ■ white



Dimensions in mm

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

Our field-wiring terminal block (item number 294-5453) simplifies electrical installations. Conductors can only be connected to this field-wiring terminal block if their strip length is between 8 and 9 mm . This product incorporates 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, offering a key advantage: 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 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 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 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 (note)		Connection points		

Connection Data		
Clamping units	15	
Total number of potentials	3	
Number of connection types	4	
PE function	Screw-type 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
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		9.9 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		4050821098638
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)		b07dea60-f8dc-4504-8f3e-d2f9aca6cd72
SCIP notification number (Belgium)		0b4b4775-e15d-4a9d-8171-4ac406b2e266
SCIP notification number (Bulgaria)		eb7f0b42-c0cd-4c10-8d43-4cc0055ad23d
SCIP notification number (Czech Republic)		a6e58874-f2a0-4929-b3b1-1d8d4fac9463
SCIP notification number (Denmark)		7740500d-8914-4a76-907a-8db68b637a81
SCIP notification number (Finland)		fc878fec-edb1-4182-9052-7c107ea94995
SCIP notification number (France)		d8057d09-9458-46d6-af4a-c1d7af6964b2
SCIP notification number (Germany)		ce8a34d9-a104-48d7-b477-1ce0314fd92b
SCIP notification number (Hungary)		eaf7be04-d431-4e25-a8a8-b1450375041a
SCIP notification number (Italy)		67be43ad-a1a5-4039-bf54-7203793eb306
SCIP notification number (Netherlands)		c9ddd09e-67b3-402c-8172-fb959ca61515
SCIP notification number (Poland)		ecf0b7e6-2738-4d5f-af50-14e958d4fa9b
SCIP notification number (Romania)		d08de013-c663-4c10-a61c-9344c8d67431

Environmental Product Compliance	
SCIP notification number (Sweden)	91d8366b-fb2e-457d-8b16-6dc1b0b47f64

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 294-5453	

Documentation

Bid Text			
294-5453	13.06.2017	doc 28.00 KB	
294-5453	19.02.2019	xml 5.58 KB	

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 294-5453		WSCAD Universe 294-5453	
		ZUKEN Portal 294-5453	

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 screw-type ground contact, $d \leq 4.1\text{ mm}$

Snap-in foot

Drilled hole for snap-in mounting foot

Conductor termination

Ground contact made of electrical copper, triple-plated

Clamping spring made of high-strength spring steel

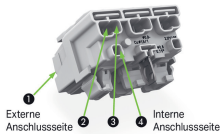
EUROPE
1 x 0.5 ... 2.5 mm ² "s"
1 x 0.5 ... 1.5 mm ² "s"
1 x 0.5 ... 0.75 mm ² "s"
AMERICA
1 x AWG 18 ... 14 "s"
1 x AWG 18 ... 16 "s"
1 x AWG 18 "s"
JAPAN
1 x 0.8 ... 1.6 mm diam. "s"
1 x 0.8 ... 1 mm diam. "s"
1 x 0.8 mm diam. "s"

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

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

Conductor termination



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

