

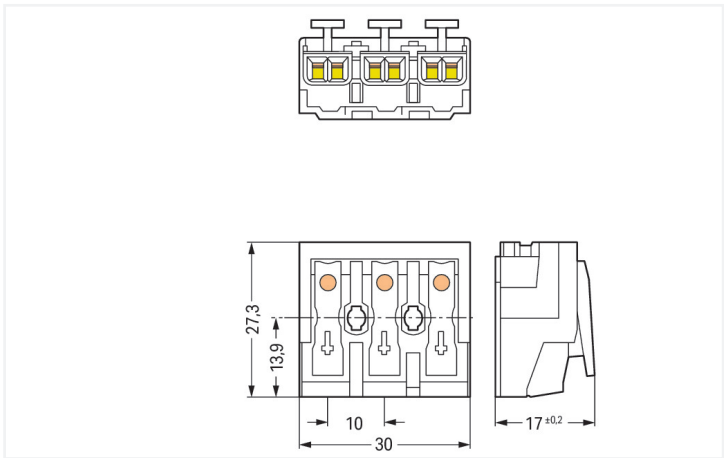
Data Sheet | Item Number: 294-4053

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/294-4053>



Color: white



Dimensions in mm

Field-wiring terminal block, 294 Series, white

Connect conductors quickly and easily with this field-wiring terminal block (item number 294-4053). 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 any type of conductor. 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 dimensions are (30 x 17 x 27.3) mm (width x height x depth). 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 ranging from 0.5 mm² to 2.5 mm² on the other side as well as conductor cross sections from 0.5 mm² to 2.5 mm² and from 0.5 mm² to 0.75 mm² depending on the conductor type.

The contact surface is coated with tin.

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			Connection 1	
Clamping units	15		Connection type	External 1
Total number of potentials	3		Connection technology	Push-in CAGE CLAMP®
Number of connection types	4		Number of connection points	2
PE function	without PE contact		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	17 mm / 0.669 inches
Depth	27.3 mm / 1.075 inches



Mechanical data		
Marking		1-⊕-N
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		0.138 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		4050821097808
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)		aa06a9ca-8f7d-476d-b04f-91a7f257ff7d
SCIP notification number (Belgium)		353b7663-718e-4c75-98a9-0007cfd51e34
SCIP notification number (Bulgaria)		27da97b3-3dbe-47cc-8870-ca915f60a689
SCIP notification number (Czech Republic)		d1cc8068-4c46-4566-bd85-6eea51032c32
SCIP notification number (Denmark)		db102f62-b14e-4fa4-99bd-5490a6ca179a
SCIP notification number (Finland)		190f9fac-9c20-42bd-b1c8-2dd00da3cf67
SCIP notification number (France)		67581c98-ae73-4541-b253-fd50498db1ce
SCIP notification number (Germany)		583b6d61-6a32-4064-a78e-eb4c2f643e48
SCIP notification number (Hungary)		929a9f83-f05a-47b4-99d0-6f6be6e4f68f
SCIP notification number (Italy)		37c37c20-fdeb-490e-adb2-a1819ab204ef
SCIP notification number (Netherlands)		62108040-9fe3-4399-aa87-72f69294cebc
SCIP notification number (Poland)		a1e3284f-6d2c-46f2-bcda-ed954e8898a3
SCIP notification number (Romania)		595a6b46-00b2-43fa-9423-86441af80ae3

Environmental Product Compliance	
SCIP notification number (Sweden)	a708d033-7d51-4f3b-925c-a9210e69dc28

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 294-4053	

Documentation

Bid Text			
294-4053	13.06.2017	doc 27.00 KB	
294-4053	19.02.2019	xml 5.58 KB	

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 294-4053		WSCAD Universe 294-4053	
		ZUKEN Portal 294-4053	

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

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.

Contact Technology

- Contact frame made of electrical-grade, fire-rated
- Contact made of copper alloy
- Contact spring made of copper alloy
- Contact spring made of copper alloy
- Contact spring made of copper alloy

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

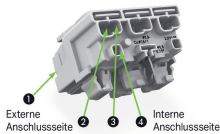
Internal connection

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

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



Conductor termination



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

