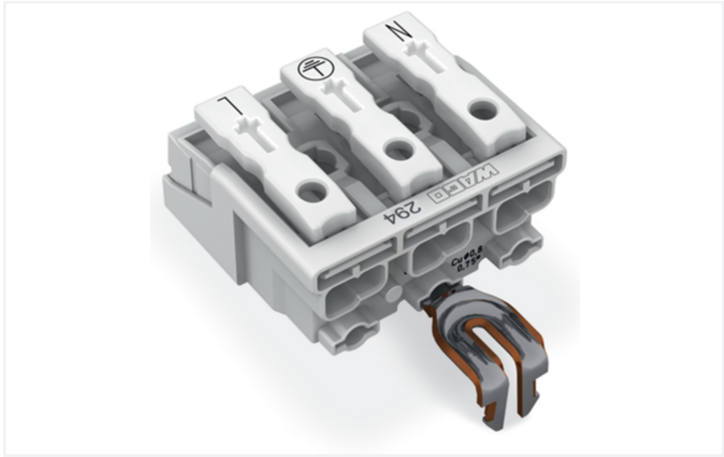


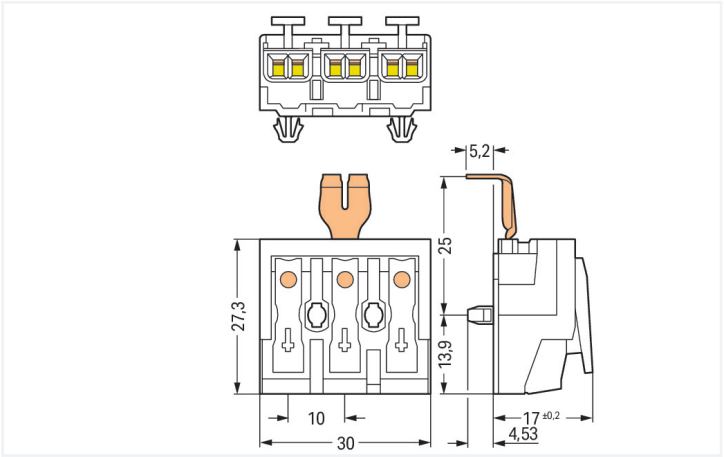
Data Sheet | Item Number: 294-5213

Lighting connector; push-button, external; with snap-in ground contact; N-PE-L; 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/294-5213>



Color: ■ white



Dimensions in mm

Field-wiring terminal block, 294 Series, Push-in

Our field-wiring terminal block (item number 294-5213) makes connections quick and easy. 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® as well as PUSH WIRE®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, offering a key advantage: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. Our PUSH WIRE® connection offers a simple and reliable method for connecting solid conductors. Dimensions: (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 – 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

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 mm ² / 18 ... 12 AWG
Solid conductor; push-in termination	0.5 ... 2.5 mm ² / 18 ... 12 AWG
Stranded conductor	0.5 ... 2.5 mm ² / 18 ... 14 AWG
Fine-stranded conductor	0.5 ... 2.5 mm ² / 18 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 1.5 mm ² / 18 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1.5 mm ² / 18 ... 16 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 mm ² / 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 mm ² / 18 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 1 mm ² / 18 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1.5 mm ² / 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 mm ² / 18 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 0.75 mm ² / 18 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1 mm ² / 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 mm ² / 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		N-⊕-L
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		10.2 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		Bag
Country of origin		PL
GTIN		4050821020783
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)		9b9b6b2c-b393-467d-a8f8-0d7e2e92d1c6
SCIP notification number (Belgium)		5bd92201-f2af-4f91-bad2-39b19414f890
SCIP notification number (Bulgaria)		0ecd8bd7-a565-4f32-89b5-c3b189940cde
SCIP notification number (Czech Republic)		2663d222-c4ff-4d87-814b-ff1c389dde4d
SCIP notification number (Denmark)		9a76f475-e585-4f69-9fd7-744f96d4420b
SCIP notification number (Finland)		14b2be46-d612-4ad6-b66a-c38b185ba3fd
SCIP notification number (France)		1278f4d6-d0f5-49d8-93ab-6b626b7a35e6
SCIP notification number (Germany)		73a399f1-6d05-4d04-bedc-0dd5e7c8aa3c
SCIP notification number (Hungary)		948a7d30-93cb-4f0c-8f06-39fb3b472766
SCIP notification number (Italy)		23241126-05b6-4d31-ae63-e07c73c91ae4
SCIP notification number (Netherlands)		00f5eaec-0b1b-4765-b0ce-3caa985ddeaa
SCIP notification number (Poland)		cde72528-23aa-4412-aa98-5f341a8b3382
SCIP notification number (Romania)		92de06df-6d8b-4da8-9ccb-87174db8216e

Environmental Product Compliance	
SCIP notification number (Sweden)	c7a70ef4-f137-47f7-b7a6-5f046e9d00bf

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 294-5213	

Documentation

Bid Text			
294-5213	13.06.2017	doc 28.00 KB	
294-5213	19.02.2019	xml 5.58 KB	

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 294-5213 	WSCAD Universe 294-5213 
	ZUKEN Portal 294-5213 

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

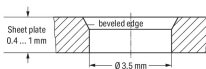
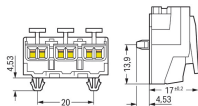
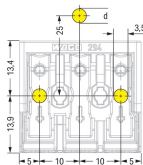
1.1.2.2 Operating tool

Item No.: 206-294

Disconnection tool; green

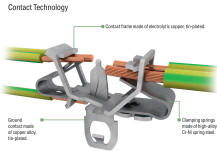
Installation Notes

Installation



- 3-pole – with snap-in ground contact, d = 4.9 mm
- Snap-in foot
- Drilled hole for snap-in mounting foot

Conductor termination



Contact Technology

→ Contact frame made of electrically isolating, fire-retarded

Ground conductor made of copper alloy (see page 6)

→ 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"

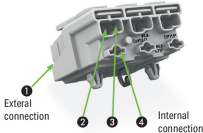
AMERICA
1 x AWG 18 ... 14 "s"
1 x AWG 18 ... 16 "s"
1 x AWG 18 "s"

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"

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"

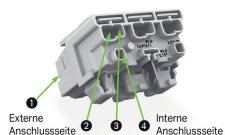


External connection

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



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

