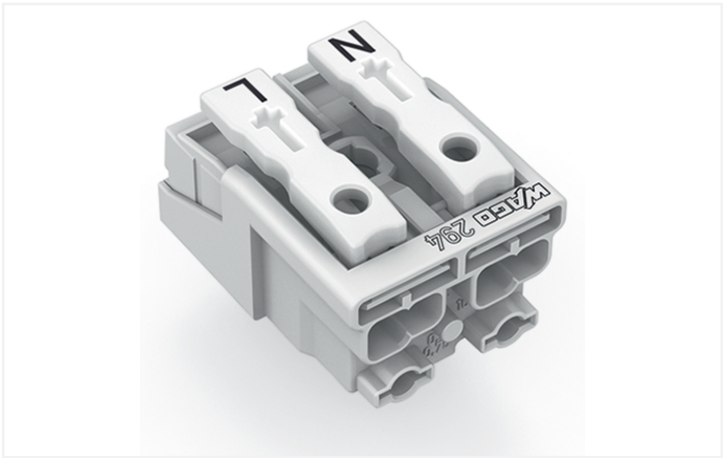# Data Sheet | Item Number: 294-5012

Lighting connector; push-button, external; without ground contact; 2-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²; Surrounding air temperature: max 85℃ (T85); white
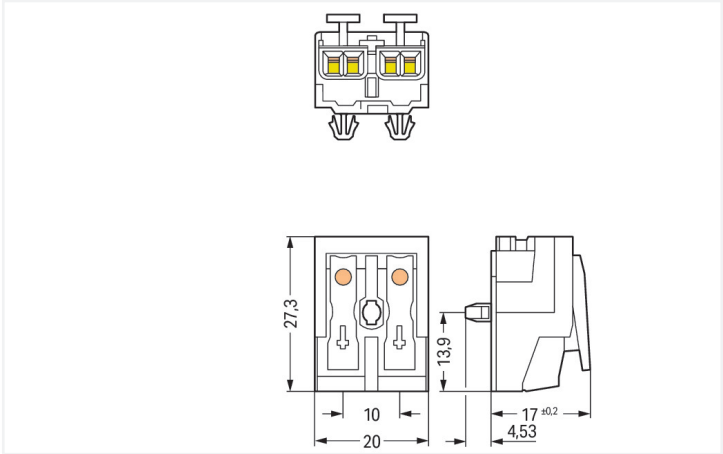
https://www.wago.com/294-5012

Color: ■ white

Similar to illustration

Dimensions in mm

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

Our field-wiring terminal block (item number 294-5012) simplifies electrical installations. Conductors can only be connected to this field-wiring terminal block if their strip length is between 8 mm and 9 mm. This product features four conductor terminals and utilizes Push-in CAGE CLAMP® as well as PUSH WIRE®. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. Both solid and fine-stranded conductors with ferrules can be plugged in without needing to use any tools—all thanks to its pluggable design. Our tried-and-tested PUSH WIRE® connection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. The item's dimensions are 20 x 21.53 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. Up to two potentials / two poles can be connected to this terminal strip using ten clamping points. The clamping spring is made of chrome-nickel spring steel (CrNi), the white housing is made of polycarbonate (PC) for insulation, and the contacts are made of electrolytic copper (ECu). 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 surge voltage	-	-	4 kV		
Rated current	-	-	24 A		

Version 03.06.2025

Ratings per	IEC/EN 60998-2-2		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	500 V
Rated surge voltage	-	-	4 kV
Rated current	-	-	24 A

Connection data

Clamping units	10
Total number of potentials	2
Number of connection types	4
PE function	without 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	2
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 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	20 mm / 0.787 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	0.123 MJ
Halogen-free	Yes
Weight	6.4 g

Environmental requirements

Temperature stability	120 °C
T marking	T85

Commercial data

Product Group	8 (Misc. Chassis Mount Blocks)
PU (SPU)	1000 pcs
Packaging type	Foil
Country of origin	CH
GTIN	4050821020752
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 8.0	EC001284
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

REACH Candidate List Substance	Perfluorobutane sulfonic acid (PFBS) and its salts
RoHS Compliance Status	Compliant,No Exemption
SCIP notification number (Austria)	fe561efa-f88e-4875-8540-6170797db38e
SCIP notification number (Belgium)	8c1ca12a-780a-4638-a19f-361733568c09
SCIP notification number (Bulgaria)	f8baf527-5f53-4bef-be75-25ca516c736f
SCIP notification number (Czech Republic)	1e845d7a-8c5f-424c-a1e6-0a2b675f148d
SCIP notification number (Denmark)	d5002d8d-06de-4852-97dc-e7d6e6e4f714
SCIP notification number (Finland)	8b2f4816-f103-4eef-b8ab-c7deea887cc5
SCIP notification number (France)	6a644177-c05a-4b1e-8460-3a8fcc60c0b9
SCIP notification number (Germany)	031d86d1-7a65-49db-8fd6-a5967e538347
SCIP notification number (Hungary)	fa329490-a063-41b9-b8e8-33cdeac61a33
SCIP notification number (Italy)	a5bfc278-45b1-43e9-8309-7e84d6963386
SCIP notification number (Netherlands)	64956883-9dbf-4840-8ee3-da32c88650e1
SCIP notification number (Poland)	748d0b91-656a-46c4-94a3-235340d064a6
SCIP notification number (Romania)	86667701-deb4-402f-98fd-a463024e456e
SCIP notification number (Sweden)	c15151a1-1668-4550-ae83-b9b48c4d8c9e

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
ENEC 05 DEKRA Certification B.V.	EN 60998	2128791.01

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
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 294-5012		↓

Documentation

Bid Text

294-5012	19.02.2019	xml 5.57 KB	↓
294-5012	13.06.2017	doc 27.00 KB	↓

WAGO

CAD/CAE-Data

CAD data

2D/3D Models
294-5012   ↓

CAE data

WSCAD Universe
294-5012   ↓

ZUKEN Portal
294-5012   ↓

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
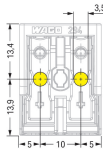
1.1.2 Tool
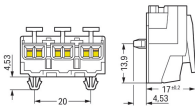
1.1.2.2 Operating tool
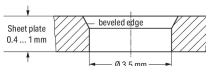
Item No.: 206-294
Disconnection tool; green

Installation Notes
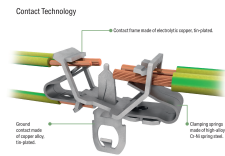
Installation

2-pole – without ground contact

Snap-in foot

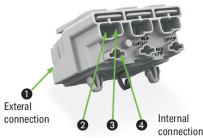Drilled hole for snap-in mounting foot

WAGO

Conductor termination

Contact Technology

EUROPE
1 x 0.5 … 2.5 mm² "s"
1 x 0.5 … 1.5 mm² "s"
1 x 0.5 … 0.75 mm² "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 mm² "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 mm² "str, f-str"

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

External connection:
Push-in CAGE CLAMP® for field-wiring with all conductor types
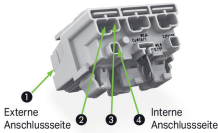
Terminating five conductors per pole – solid and fine-stranded.

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at:: www.wago.com