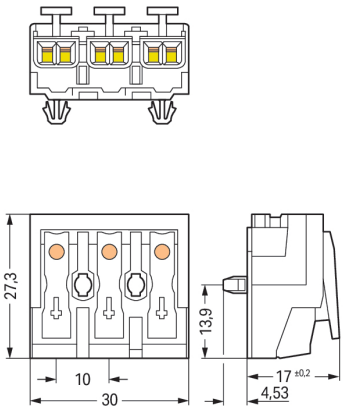
Data Sheet | Item Number: 294-5023

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/294-5023





Color: white

Dimensions in mm

Field-wiring terminal block, 294 Series, with 10 mm pin spacing

Our field-wiring terminal block (item number 294-5023) is designed for seamless 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®. 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 faster and easier conductor clamping. The 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 designed 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	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	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

Continued on next page

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	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	4050821098195
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)	ed5f8365-c5f4-4906-bd50-bbd0c4aa5d86
SCIP notification number (Belgium)	24f1fdcb-9c13-4ceb-b3a0-072348223f78
SCIP notification number (Bulgaria)	c757f993-2f87-495c-a4c0-bfaf827a88ca
SCIP notification number (Czech Republic)	12515488-935f-417b-8687-f689225fb301
SCIP notification number (Denmark)	1eabc9a0-819e-4675-b2b4-dd6a8402d407
SCIP notification number (Finland)	217118f3-a28e-450a-89c0-7b467a95c041
SCIP notification number (France)	75365a15-3ebe-4d6f-b8f7-edd2cd6b7ba9
SCIP notification number (Germany)	1587dcff-bf57-4a5c-9991-89f40dd55349
SCIP notification number (Hungary)	e6db3ec3-52f7-4a8c-8e19-1f9672f6db44
SCIP notification number (Italy)	a5ff89b8-854b-4f4d-872b-3571474f64db
SCIP notification number (Netherlands)	af0fa8a6-775c-4491-8c69-c1ffff78330a
SCIP notification number (Poland)	3950537e-ec89-4bdb-a02e-17050f9f2c2b
SCIP notification number (Romania)	9d0a1e09-05f8-4af7-bf51-40eb65a07b82

Continued on next page

Environmental Product Compliance

SCIP notification number (Sweden)	c0998c1c-2e05-4bf5-ba5c-26131498a61b

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 294-5023

Documentation

Bid Text

294-5023	19.02.2019	xml 5.58 KB
294-5023	13.06.2017	doc 27.00 KB

CAD/CAE-Data

CAD data

2D/3D Models 294-5023

CAE data

WSCAD Universe 294-5023

ZUKEN Portal 294-5023

Continued on next page

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

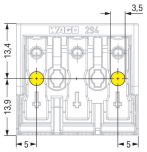
1.1.2.2 Operating tool



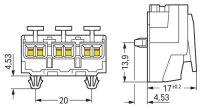
Item No.: 206-294
Disconnection tool; green

Installation Notes

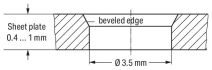
Installation



3-pole – without ground contact

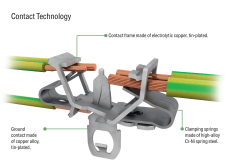


Snap-in foot



Drilled hole for snap-in mounting foot

Conductor termination

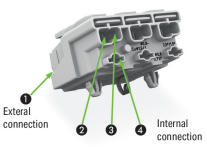


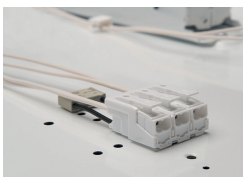
EUROPE
1 x 0.5 … 2.5 mm² "s"
1 x 0.5 … 1.5 mm² "s"
1 x 0.5 … 0.75 mm² "s"
AMERICA
1 x AWG 18 … 14 "s"
1 x AWG 18 … 16 "s"
1 x AWG 18 "s"
JAPAN
1 x 0.8 … 1.6 mm diam. "s"
1 x 0.8 … 1 mm diam. "s"
1 x 0.8 mm diam. "s"

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

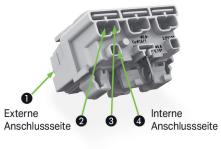
EUROPE
2 x 0.5 … 2.5 mm² "s, str, f-str"
AMERICA
2 x AWG 18 … 12 "s"
2 x AWG 18 … 14 "s, f-str"
JAPAN
2 x 0.8 … 2 mm diam. "s"
2 x 0.5 … 2 mm² "str, f-str"

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





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



Continued on next page

