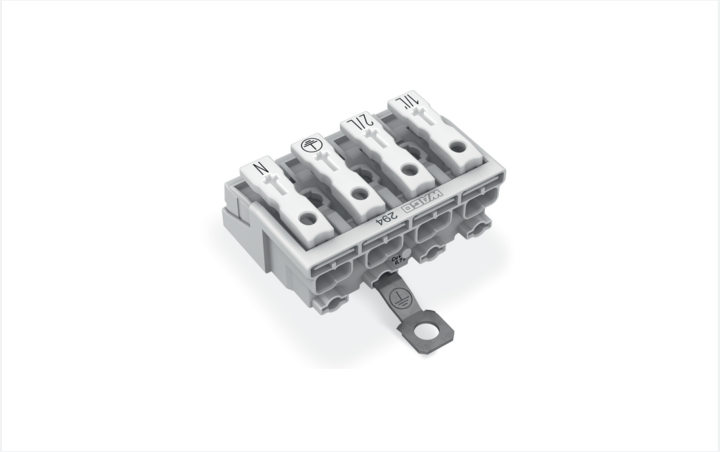
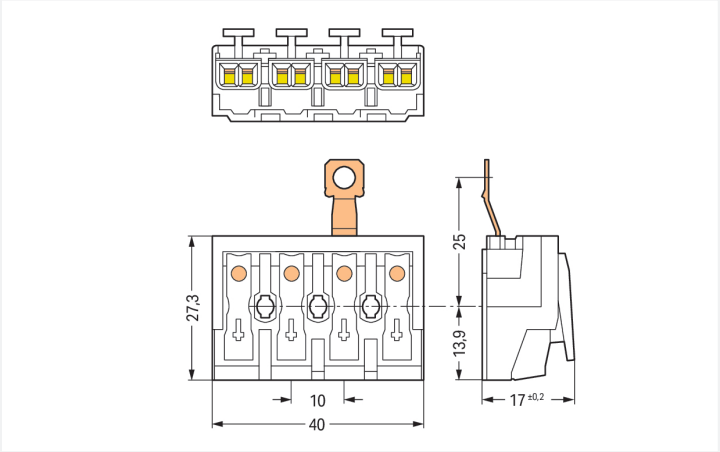
Data Sheet | Item Number: 294-4424

Lighting connector; push-button, external; with screw-type ground contact; 4-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/294-4424





Color: white

Dimensions in mm

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

This field-wiring terminal block (item number 294-4424) streamlines wire connections, making them both quick and easy. Conductors should only be connected to this field-wiring terminal block if their strip length is between 8 and 9 mm . Featuring four conductor terminals along with Push-in CAGE CLAMP® as well as PUSH WIRE®, this connector is highly versatile. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. It allows direct insertion of both solid and fine-stranded conductors with ferrules without the need for tools—all thanks to its pluggable design. 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 (40 x 17 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	20
Total number of potentials	4
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 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	4
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	40 mm / 1.575 inches
Height	17 mm / 0.669 inches
Depth	27.3 mm / 1.075 inches

Continued on next page

Mechanical data

Marking	1/L´-2/L-⏚-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	0.184 MJ
Halogen-free	Yes
Weight	12.8 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	4050821098089
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)	d1cc0558-5200-4339-96c5-0c6d02bd38a2
SCIP notification number (Belgium)	7a2469cf-ee53-42b6-ba93-19a2d6e24712
SCIP notification number (Bulgaria)	26e22b25-41f6-45e0-a548-a77c7f08f9f6
SCIP notification number (Czech Republic)	dfff3e6e-3344-455f-8af9-d1c03c6f877c
SCIP notification number (Denmark)	9d526324-0cfe-4c41-86fb-85c138aa85d3
SCIP notification number (Finland)	cf12b857-4293-4e6c-97d5-06d2ddf53639
SCIP notification number (France)	26ce8de8-2305-4e19-80e9-ff0712fb5b7b
SCIP notification number (Germany)	046448e2-cf7a-408b-adab-34ffc853fff6
SCIP notification number (Hungary)	4a5d3720-b63c-4b0d-ad56-4f6e9bd7aa85
SCIP notification number (Italy)	8f0b79f9-f9ac-4b24-8129-580bf7fd0089
SCIP notification number (Netherlands)	672f478b-4597-44e1-8979-219b18e81a42
SCIP notification number (Poland)	833c6a90-a0d4-4e96-9e7f-cff054ec1569
SCIP notification number (Romania)	669fbf22-743e-4cb6-89c9-674b1fcbdbc5

Continued on next page

Environmental Product Compliance

SCIP notification number (Sweden)	d685294e-5775-463a-bbaa-df560e9e1256

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 294-4424

Documentation

Bid Text

294-4424	19.02.2019	xml 5.59 KB	
294-4424	13.06.2017	doc 28.00 KB	

CAD/CAE-Data

CAD data

2D/3D Models 294-4424

CAE data

WSCAD Universe 294-4424

ZUKEN Portal 294-4424

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

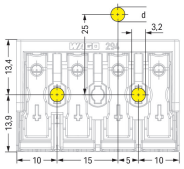
1.1.2.2 Operating tool



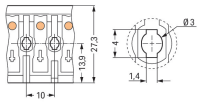
Item No.: 206-294
Disconnection tool; green

Installation Notes

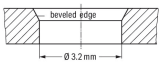
Installation



4-pole – with screw-type ground contact, d ≤ 4.1 mm

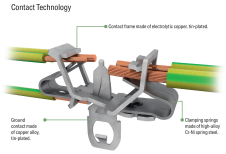


Mounting hole for screw
Notice: The maximum thread diameter for self-tapping screws is 3 mm.



Hole for screw mount
Notice: The maximum thread diameter for self-tapping screws is 3 mm.

Conductor termination

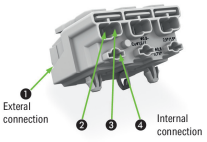


EUROPE
1 x 0.5 … 2.5 mm² "s"
1 x 0.5 … 1.5 mm² "s"
1 x 0.5 … 0.75 mm² "s"
AMERICA
1 x AWG 18 … 14 "s"
1 x AWG 18 … 16 "s"
1 x AWG 18 "s"
JAPAN
1 x 0.8 … 1.6 mm diam. "s"
1 x 0.8 … 1 mm diam. "s"
1 x 0.8 mm diam. "s"

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

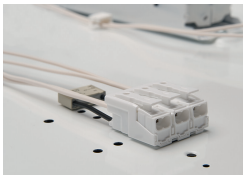
EUROPE
2 x 0.5 … 2.5 mm² "s, str, f-str"
AMERICA
2 x AWG 18 … 12 "s"
2 x AWG 18 … 14 "s, f-str"
JAPAN
2 x 0.8 … 2 mm diam. "s"
2 x 0.5 … 2 mm² "str, f-str"

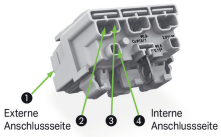
External connection:
Push-in CAGE CLAMP® for field-wiring with all conductor types



Continued on next page

Conductor termination





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

