

## Data Sheet | Item Number: 294-8435

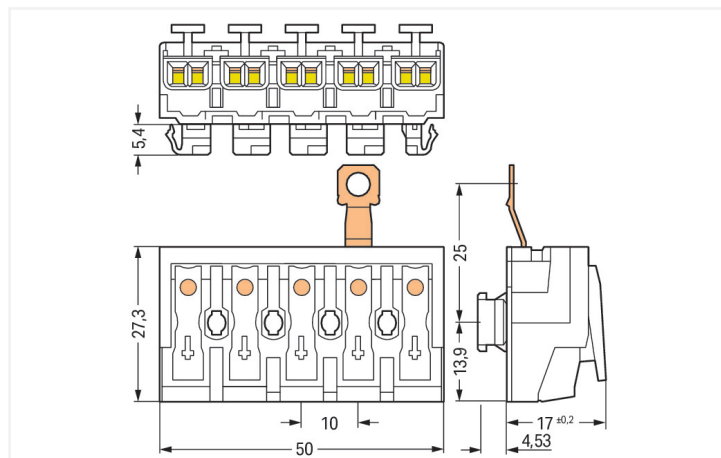
Lighting connector; push-button, external; for Linect®; with screw-type ground contact; DA+ DA- L PE N; 5-pole; Cod. I; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm<sup>2</sup>; Surrounding air temperature: max 85°C (T85); white



<https://www.wago.com/294-8435>



Color: ■ white



Dimensions in mm

Field-wiring terminal block with linect<sup>®</sup>, 294 Series, Push-in

Our field-wiring terminal block with linect<sup>®</sup> (item number 294-8435) is designed for seamless electrical installations. Conductors can only be connected to field-wiring terminal block with linect<sup>®</sup> if their strip length is between 8 and 9 mm. This product incorporates four conductor terminals and utilizes Push-in CAGE CLAMP<sup>®</sup> and PUSH WIRE<sup>®</sup>. Push-in CAGE CLAMP<sup>®</sup> 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<sup>®</sup> connection is the quick and easy method for connecting solid conductors. The dimensions are (50 x 22.4 x 27.3) mm (width x height x depth). Field-wiring terminal block with linect<sup>®</sup> is suitable for conductor cross sections ranging from 0.5 mm<sup>2</sup> to 2.5 mm<sup>2</sup> on one side and for conductor cross sections ranging from 0.5 mm<sup>2</sup> to 2.5 mm<sup>2</sup> on the other side as well as conductor cross sections from 0.5 mm<sup>2</sup> to 2.5 mm<sup>2</sup> and from 0.5 mm<sup>2</sup> to 0.75 mm<sup>2</sup> depending on the conductor type.

Tin is used for coating the contact surfaces.

### Electrical data

Ratings	Connection points		
	IEC/EN 60998-1	IEC/EN 60998-1	IEC/EN 60998-1
Ratings per			
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	Connection points		
	IEC/EN 60998-2-2	IEC/EN 60998-2-2	IEC/EN 60998-2-2
Ratings per			
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	Linect <sup>®</sup> plug-in connection		
	IEC/EN 61984	IEC/EN 61984	IEC/EN 61984
Ratings per			
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	500 V
Rated impulse withstand voltage	-	-	4 kV
Rated current	-	-	16 A

## Connection Data

Total number of potentials	5
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
Solid conductor	0.5 ... 2.5 mm <sup>2</sup> / 18 ... 12 AWG
Solid conductor; push-in termination	0.5 ... 2.5 mm <sup>2</sup> / 18 ... 12 AWG
Stranded conductor	0.5 ... 2.5 mm <sup>2</sup> / 18 ... 14 AWG
Fine-stranded conductor	0.5 ... 2.5 mm <sup>2</sup> / 18 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 1.5 mm <sup>2</sup> / 18 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1.5 mm <sup>2</sup> / 18 ... 16 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 mm <sup>2</sup> / 18 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Pole number	5

### 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 <sup>2</sup> / 18 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 1 mm <sup>2</sup> / 18 ... 14 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1.5 mm <sup>2</sup> / 18 ... 16 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 <sup>2</sup> / 18 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 0.75 mm <sup>2</sup> / 18 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1 mm <sup>2</sup> / 18 ... 14 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 <sup>2</sup> / 18 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

## Physical data

Pin spacing	10 mm / 0.394 inches
Width	50 mm / 1.969 inches
Height	22.4 mm / 0.882 inches
Height from the surface	17 mm / 0.669 inches
Depth	27.3 mm / 1.075 inches

### Mechanical data

Technology	Linect
Marking	DA+ DA- L ⊕ N

### Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	white
Material group	Illa
Insulation material (main housing)	Polycarbonate (PC)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact Plating	Tin
Fire load	0.332 MJ
Weight	16.8 g

### Environmental requirements

Temperature stability	120 °C
T marking	T85

### Commercial data

Product Group	8 (Misc. Chassis Mount Blocks)
PU (SPU)	250 pcs
Packaging type	Bag
Country of origin	PL
GTIN	4050821098959
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

REACH Candidate List Substance	Perfluorobutane sulfonic acid (PFBS) and its salts
RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Austria)	3cb87c06-9dae-4b63-9511-627894cd2bb7
SCIP notification number (Belgium)	dd255b0d-ee11-4f89-bdd8-c61585dd0fed
SCIP notification number (Bulgaria)	f1834de3-267f-45f1-9bca-a07a9633f6fa
SCIP notification number (Czech Republic)	3afe3efb-3681-41b5-8ca4-9b94139c7ebf
SCIP notification number (Denmark)	eb234052-fec9-454b-b808-3e029a2fbd63
SCIP notification number (Finland)	ff434571-04b7-4d19-9280-d35316467a9a
SCIP notification number (France)	67929484-45a2-4ca5-ad2b-247ed6f16c86
SCIP notification number (Germany)	65218a9f-2c14-48f1-89c9-709356e52889
SCIP notification number (Hungary)	b12fadf2-df96-41c8-94eb-c951e19e2604
SCIP notification number (Italy)	4ddfd642-5acb-4785-86b2-9f93a6022692
SCIP notification number (Netherlands)	7ceda025-184b-4248-8480-2e0489a68a33
SCIP notification number (Poland)	89efd12d-8190-4814-82c2-f3812bd271c9
SCIP notification number (Romania)	361840bd-1710-4af7-bcb3-c6f6b7656dd8

**Environmental Product Compliance**

SCIP notification number (Sweden)

99050f96-75ce-4d18-b10f-2baf16ea68c4

**Approvals / Certificates**

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
ENEC 05 DEKRA Certification B.V.	EN 60998	2128791.01	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
			UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

**Downloads**

**Environmental Product Compliance**

Compliance Search
Environmental Product Compliance 294-8435

**Documentation**

**Additional Information**

Technical Section	03.04.2019	pdf 2027.26 KB	
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**CAD/CAE-Data**

CAD data	CAE data
2D/3D Models 294-8435	WSCAD Universe 294-8435
	ZUKEN Portal 294-8435

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

Current addresses can be found at: [www.wago.com](http://www.wago.com)