

## Data Sheet | Item Number: 294-8425

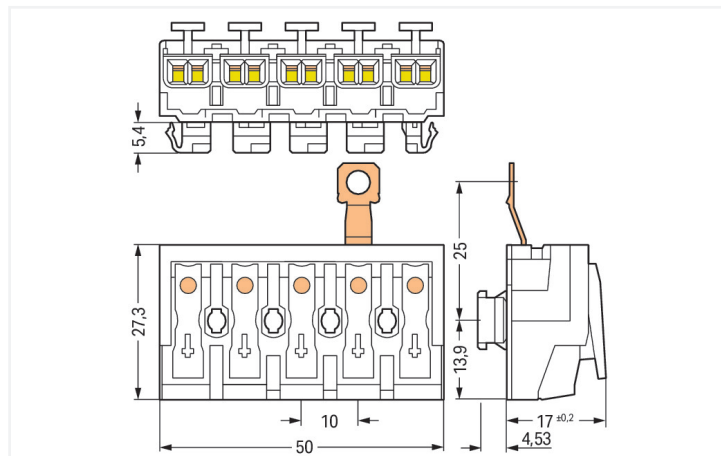
Lighting connector; push-button, external; for Linect®; with screw-type ground contact; L'-N'-L-PE-N; 5-pole; Cod. L; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm<sup>2</sup>; Surrounding air temperature: max 85°C (T85); white



<https://www.wago.com/294-8425>



Color: ■ white



Dimensions in mm

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

Field-wiring terminal block with linect<sup>®</sup> (item number 294-8425) provides seamless electrical installations. Strip lengths must be between 8 and 9 mm when connecting conductors to field-wiring terminal block with linect<sup>®</sup>. Featuring four conductor terminals along with Push-in CAGE CLAMP<sup>®</sup> as well as PUSH WIRE<sup>®</sup>, this product is highly versatile. Our Push-in CAGE CLAMP<sup>®</sup> 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<sup>®</sup> connection uses the stiffness of the conductor to overcome the clamping spring's contact force, allowing faster and easier conductor clamping. The dimensions are (50 x 22.4 x 27.3) mm (width x height x depth). Depending on the type of conductor, 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 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 1.5 mm<sup>2</sup> and from 0.5 mm<sup>2</sup> to 0.75 mm<sup>2</sup>.

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			
Overtoltage 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			
Overtoltage 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		
Ratings per	IEC/EN 61984	IEC/EN 61984	IEC/EN 61984
Overtoltage 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	L' N' L ⊕ N

### Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
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 <sub>Cu</sub> )
Contact Plating	Tin
Fire load	0.252 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	4050821098942
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)	b47e45b7-a2c7-40f7-a57a-da8c1607bb70
SCIP notification number (Belgium)	8945da53-1fc3-4235-83dc-c34ce500a482
SCIP notification number (Bulgaria)	f554ba5e-80b0-4499-8bb2-920e854fb377
SCIP notification number (Czech Republic)	33b555d9-740f-4b05-b040-bb218b2ad258
SCIP notification number (Denmark)	1d01d592-56a7-4cd3-949d-003450ee79f3
SCIP notification number (Finland)	f95268cd-f91b-436d-bd38-d48c986ac96d
SCIP notification number (France)	80b9dac8-8019-4c1a-a61f-cdcb73030ce1
SCIP notification number (Germany)	daefc003-4a6d-495e-8944-8419b12ab3e8
SCIP notification number (Hungary)	40913bad-182e-4664-9fff-90f093b39e9e
SCIP notification number (Italy)	41aae73e-fc14-4c99-9ee7-5a2b443cc0b3
SCIP notification number (Netherlands)	969ecc94-d8c6-4aef-b19f-1c7ff305da93
SCIP notification number (Poland)	0946e69c-5650-4922-bfe5-1bdf3c7f0d24
SCIP notification number (Romania)	71713ce3-57f8-4f79-bc80-0c9f6c62f8fe
SCIP notification number (Sweden)	31658b91-6605-4073-9d28-60b6b0c87d5d

**Approvals / Certificates**

**General approvals**



Approval	Standard	Certificate Name
ENEC 05 DEKRA Certification B.V.	EN 60998	2128791.01
VDE VDE Prüf- und Zertifizierungsinstitut	EN 61535	40029808

**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 294-8425	↓
---	---

**Documentation**

**Additional Information**

Technical Section	03.04.2019	pdf 2027.26 KB	↓
-------------------	------------	-------------------	---

**CAD/CAE-Data**

**CAD data**

2D/3D Models 294-8425	↓
-----------------------	---

**CAE data**

WSCAD Universe 294-8425	↓
ZUKEN Portal 294-8425	↓