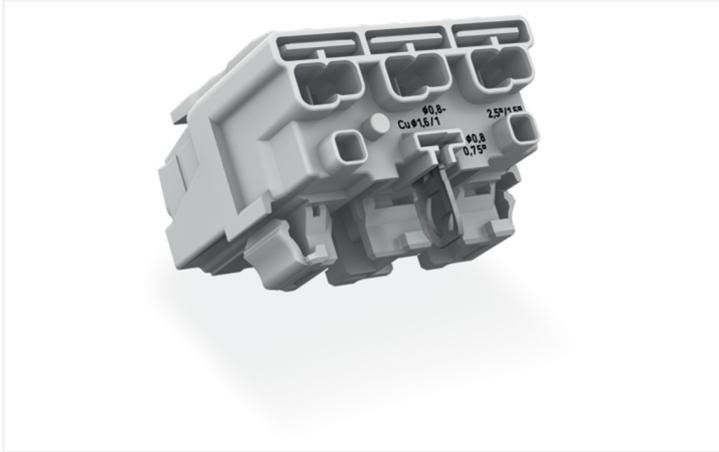


## Data Sheet | Item Number: 294-8113

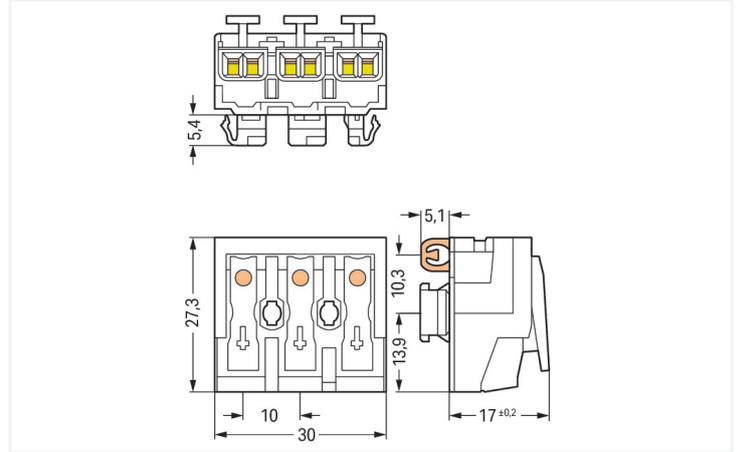
Lighting connector; push-button, external; for Linect®; with direct ground contact; 3-pole; Cod. A; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm<sup>2</sup>; Surrounding air temperature: max 85°C (T85); white



<https://www.wago.com/294-8113>



Color: white



Dimensions in mm

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

Field-wiring terminal block with linect<sup>®</sup> (item number 294-8113) simplifies electrical installations. Conductors should only be connected to field-wiring terminal block with linect<sup>®</sup> if their strip length is between 8 mm and 9 mm. This product features four conductor terminals and utilizes Push-in CAGE CLAMP<sup>®</sup> as well as PUSH WIRE<sup>®</sup>. Push-in CAGE CLAMP<sup>®</sup> technology provides a universal connection solution for all conductor types. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. Our reliable PUSH WIRE<sup>®</sup> 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 30 x 22.4 x 27.3 mm (width x height x depth). Depending on the conductor type, field-wiring terminal block with linect<sup>®</sup> is designed 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>. The white housing is made of polycarbonate (PC) for insulation, the clamping spring is made of chrome-nickel spring steel (CrNi), and the contacts are made of electrolytic copper (ECu). Tin is used for coating the contact surfaces.

### Electrical data

Ratings	Connection points		
Ratings per	IEC/EN 60998-1	IEC/EN 60998-1	IEC/EN 60998-1
Overtoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	500 V
Rated surge voltage	-	-	4 kV
Rated current	-	-	24 A

Ratings	Connection points		
Ratings per	IEC/EN 60998-2-2	IEC/EN 60998-2-2	IEC/EN 60998-2-2
Overtoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	500 V
Rated surge 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 surge voltage	-	-	4 kV
Rated current	-	-	16 A

## Connection data

Total number of potentials	3
Number of connection types	4
PE function	Direct 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	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 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	30 mm / 1.181 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	N ⊕ L

### 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	0.2 MJ
Weight	10 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	4050821098805
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)	c4724658-d854-4c22-8f5f-c1cd430690c6
SCIP notification number (Belgium)	b8983cf4-8a63-4a24-b94d-e1fadf07749a
SCIP notification number (Bulgaria)	0211a753-2519-4d0c-b57d-c758bef22d57
SCIP notification number (Czech Republic)	52188b56-cd7c-46fa-aaf5-967b08be522e
SCIP notification number (Denmark)	1c8f7e71-ac92-4ba0-a8d3-3af5c188f3fa
SCIP notification number (Finland)	f8605121-21a9-42ec-97cb-87f12d6b6e4e
SCIP notification number (France)	34ceff3a-3f87-45a0-a0e6-61f6468ba5c8
SCIP notification number (Germany)	cb5ee07d-b98b-46b6-a5c6-fbb1e59c2e4a
SCIP notification number (Hungary)	2ad8128e-1810-404a-a15f-40aa315fe882
SCIP notification number (Italy)	85b539a9-172b-4ab4-82a8-9d6f6e36860f
SCIP notification number (Netherlands)	d343592c-b41c-4ea5-aaad-e18b37862308
SCIP notification number (Poland)	df5c2222-850e-4cb3-830e-6cac2eaddb11
SCIP notification number (Romania)	b0ee8315-b218-4210-9944-365568b4786b

**Environmental Product Compliance**

SCIP notification number (Sweden) ef146875-5d73-435a-8381-c3d31530b42d

**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 294-8113	↓

**Documentation**

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	↓

**CAD/CAE-Data**

CAD data	
2D/3D Models 294-8113	↓

CAE data	
WSCAD Universe 294-8113	↓
ZUKEN Portal 294-8113	↓

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

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