

Surge protection VPU I 1 R 280V/12,5KA

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Type I/II lightning arrester for use downstream of the electrical meter

- Version suitable for use upstream of the electrical meter
- Suitable for protective zones III and IV (LPL III/IV)
- Can also be used as Type II surge protection
- Tested according to IEC 61643-11 for Type I and II surge protection
- Pluggable arrester

General ordering data

Type	VPU I 1 R 280V/12,5KA
Order No.	1352140000
Version	Surge protection, Low voltage, Type I + II, 230 V, 25 kA , with telecomm. contact, LPL: III, U _p : ≤ 1.4 kV
GTIN (EAN)	4050118158106
Qty.	1 pc(s).

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Technische Daten

Dimensions and weights

Width	17.8 mm	Height	106 mm
Depth	69 mm	Mounting dimension - height	75 mm
Net weight	178 g		

Temperatures

Humidity	0...95 % (no condensation)	Operating temperature	-40 °C...+70 °C
Storage temperature	-40 °C...+80 °C		

Discharge surge current of top part

Limiting discharge current (8/20 µs) I_{max}	50 kA	Rated discharge current (8/20 µs) I_N	25 kA
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General data

Colour	Black, Arrester red	Design	Installation housing; 1TE, Insta IP 20
Lightning arrester	Yes	Mounting rail	TS 35, TS 35 x 15, TS 35 x 7.5
Optical function display	green = OK; red = arrester is defective - replace	Protection degree	IP 20
Segment	Power distribution	UL 94 flammability rating	V-0

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	IV
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technical data

Rated voltage (AC)	230 V	Rated voltage	230 V
Max. continuous voltage, U_c (AC)	280 V	Temporary surge voltage (over-voltage) - TOV	335 V
Discharge current I_n (8/20µs) wire-PE	50 kA	Discharge current I_{max} (8/20µs) wire-PE	50 kA
Discharge current, max. (10/350 µs)	12.5 kA	Limiting discharge current (8/20 µs) I_{max}	50 kA
Rated discharge current (8/20 µs) I_N	25 kA	Fuse, max.	250 A gL
Short-circuit current rating I_{SCCR}	25 kA	Discharge current, nominal, per path, (8/20 µs)	25 kA
Discharge current, max. (8/20 µs)	50 kA	Short-circuit strength with max. back-up fuse	25 kA _{eff}
Protection level U_p (typ.)	≤ 1.4 kV	Leakage current at U_n	30 µA
Signalling contact	250 V 1A 1CO	Standards	IEC61643-11, EN61643-11
Colour	Black, Arrester red	Humidity	0...95 % (no condensation)
Requirements class, acc. to EN 61643-11	T1, T2	Requirements category acc. to IEC 61643-11	Type I, Type II
Response time	≤ 25 ns	Lightning test current I_{imp} (10/350 µs)	12.5 kA
Lightning test current I_{imp} (10/350 µs) [L-PE]	12.5 kA		

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Connection data

Clamping range, rated connection	16 mm ²	Clamping range, rated connection, min.	4 mm ²
Clamping range, rated connection, max.	50 mm ²	Wire connection cross section, stranded, rated connection, min.	1.5 mm ²
Wire connection cross section, stranded, rated connection, max.	50 mm ²	Tightening torque, min.	2 Nm
Tightening torque, max.	3 Nm	Stripping length, rated connection	15 mm
Wire connection cross section, finely stranded, max.	25 mm ²		

Connection data, remote alert

Connection type [remote alert]	PUSH IN	Stripping length [remote alert]	8 mm
Cross-section for connected wire, solid core, min. [remote alert]	0.14 mm ²	Cross-section for connected wire, solid core, max. [remote alert]	1.5 mm ²

Classifications

ETIM 3.0	EC000381	UNSPSC	30-21-19-22
eClass 5.1	27-14-02-01	eClass 6.2	27-13-08-02
eClass 7.1	27-14-02-01		

Product information

Descriptive text accessories	Pluggable spare arrester VPU I 0 280 V/12.5 kA-1352120000
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Approvals

Approvals



ROHS	Conform
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Downloads

Package insert	Instruction sheet
Declaration of Conformity	CE document
EPLAN	1352140000.ema
	3D Modell

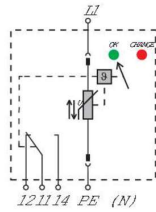
Datenblatt

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Zeichnungen

Electric symbol



Circuit diagram
