

VPU I 1 400V/12,5KA**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**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

Version	Surge voltage arrester, Low voltage, without telecomm. contact, Single-phase
Order No.	1352290000
Type	VPU I 1 400V/12,5KA
GTIN (EAN)	4050118157987
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2020-05-01
Alternative product	2591510000

Creation date March 23, 2021 5:53:23 PM CET

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Technical data

Dimensions and weights

Depth	69 mm	Depth (inches)	2.717 inch
Height	94 mm	Height (inches)	3.701 inch
Mounting dimension - height	75 mm	Net weight	202 g
Width	17.8 mm	Width (inches)	0.701 inch

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...70 °C
Humidity	5 - 95% rel. humidity		

General data

Colour	black, orange	Design	Installation housing; 1TE, Insta IP 20
Optical function display	green = OK; red = arrester is defective - replace	Protection degree	IP20
Rail	TS 35	Segment	Power distribution
UL 94 flammability rating	V-0	Version	without telecomm. contact

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	IV
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Rated data IEC / EN

Discharge current $I_{\max}$ (8/20 μ s) wire-PE	50 kA	Discharge current I_n (8/20 μ s) wire-PE	20 kA
Energy coordination (≤ 10 m)	Type I, Type II, Type III	Follow-on current extinguishing capability I_{fi}	Not available due for technical reasons
Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Fuse	125 A gL > (if back up fuse > 125 A), No Fuse necessary ≤ 125 A gG	Leakage current at U_n	100 μ A
Lightning test current I_{imp} (10/350 μ s) (L-PE)	12.5 kA	Low voltage network	Single-phase
Mains voltage	240 V	Max. continuous voltage, U_c (AC)	400 V
Number of poles	1	Protection level U_p at I_N (L/N-PE)	≤ 1.8 kV
Rated voltage (AC)	400 V	Requirements category acc. to IEC 61643-11	Type I, Type II
Requirements class, acc. to EN 61643-11	T1, T2	Response time	≤ 25 ns
Short-circuit current rating I_{SCCR}	25 kA	Signalling contact	No
Standards	IEC61643-11, EN61643-11	Temporary surge voltage (over-voltage) - TOV	620 V
Voltage type	AC		

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Connection data

Type of connection	Screw connection	Stripping length, rated connection	15 mm
Tightening torque, min.	2 Nm	Tightening torque, max.	3 Nm
Clamping range, rated connection	16 mm ²	Clamping range, min.	4 mm ²
Clamping range, max.	35 mm ²	Wire cross-section, solid, min.	2.5 mm ²
Wire cross-section, solid, max.	16 mm ²	Wire connection cross section, finely stranded, min.	2.5 mm ²
Wire connection cross section, finely stranded, max.	25 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	2.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	50 mm ²	Connection cross-section, stranded, min.	2.5 mm ²
Connection cross-section, stranded, max.	50 mm ²		

Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ECLASS 9.0	27-13-08-05	ECLASS 9.1	27-13-08-05
ECLASS 10.0	27-13-08-05	ECLASS 11.0	27-13-08-05

Tender specification sheets

Long specification	Class I arrester made from V0 material for LPL III/IV with 12.5 kA, suitable for 400/690 V single-phase mains systems, tested in accordance with IEC61643-11, EN61643-11:2013. Protection level < 1.8 kV. Type: Weidmüller VPU I 1 400 V/12.5 kA Order No. 1352290000 or equivalent	Short specification	Class I arrester for LPL III/IV with 12.5 kA suitable for 400/690 V single-phase mains systems. Protection level < 1.8 kV. Type: Weidmüller VPU I 1 400 V/12.5 kA Order no. 1352290000 or equivalent
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Approvals

Approvals



ROHS

Conform

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Approval/Certificate/Document of Conformity	EAC VPU SERIES CE PAPER Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
User Documentation	Instruction sheet

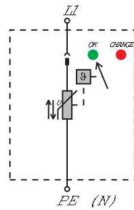
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Drawings

Electric symbol



Schematic circuit diagram