VPU series
VPU II 2 R 280V/40KA

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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Type II/III surge protection U_c: 280 V
Suitable for 230/400 V mains systems

- Pluggable arrester
- Coded voltage level
- High energy absorption with short time to sparkover
- No follow current
- Installation in distribution board
- Thermal protection function
- Co-ordination with VPU Type I

General ordering data

Delivery status	This article will no longer be available in the future.
Available until	2021-06-30
Type	VPU II 2 R 280V/40KA
Order No.	1352620000
Version	Surge voltage arrester, Low voltage, with remote contact, Single-phase
GTIN (EAN)	4050118157734
Qty.	1 pc(s).
Alternative product	2591050000

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Technical data

Dimensions and weights

Width	35.6 mm	Width (inches)	1.402 inch
Height	106 mm	Height (inches)	4.173 inch
Depth	69 mm	Depth (inches)	2.717 inch
Mounting dimension - height	75 mm	Net weight	288 g

Temperatures

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

Connection data, remote alert

Connection type	PUSH IN	Stripping length	8 mm
Cross-section for connected wire, solid core, min.	0.14 mm²	Cross-section for connected wire, solid core, max.	1.5 mm²

General data

Colour	black, orange	Design	Installation housing; 2TE, Insta IP 20
Optical function display	green = OK; red = arrester is defective - replace	Protection degree	IP20
Rail	TS 35	UL 94 flammability rating	V-0
Version	with remote contact		

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III

Rated data IEC / EN

Rated voltage (AC)	230 V	Voltage type	AC
Max. continuous voltage, Uc (AC)	280 V	Low voltage network	Single-phase
Discharge current I_n (8/20µs) wire-PE	20 kA	Discharge current I_{max} (8/20µs) wire-PE	40 kA
Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Fuse	125 A gL > (if back up fuse > 125 A), No Fuse neccessary ≤125 A gG	Short-circuit current rating I_{SCCR}	25 kA
Follow-on current extinguishing capability I_{fi}	Not available due for technical reasons	Standards	IEC61643-11, EN61643-11
Energy coordination (≤10 m)	Type II, Type III	Protection level U_p at I_N (L/N-PE)	≤ 1.55 kV
Leakage current at U_n	100 µA	Temporary surge voltage (over-voltage) - TOV	438 V
Combined pulse U_{OC}	10 kV	Number of poles	2
Requirements category acc. to IEC 61643-11	Type II, Type III	Requirements class, acc. to EN 61643-11	T2, T3
Response time	≤ 25 ns	Signalling contact	250 V 1A 1CO

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Connection data

Wire connection method	Screw connection	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 mm²
Clamping range, min.	1.5 mm²	Clamping range, max.	35 mm²
Wire cross-section, solid, min.	1.5 mm²	Wire cross-section, solid, max.	16 mm²
Wire connection cross-section, finely stranded, min.	1.5 mm²	Wire connection cross section, finely stranded, max.	25 mm²
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	1.5 mm²	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	50 mm²
Connection cross-section, stranded, min.	1.5 mm²	Connection cross-section, stranded, max.	50 mm²

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	UNSPSC	30-21-19-21

Approvals

Approvals	
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	EAC VPU SERIES CE PAPER Declaration of Conformity
Brochure/Catalogue	CAT 4.4 ELECTR 16/17 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	Instruction sheet

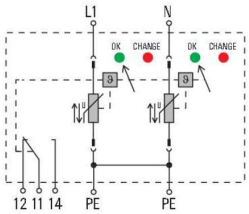
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Drawings

Electric symbol



Schematic circuit diagram

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