

VPU series VPU III 3/280V

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
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Type III surge protection

- Compact Type III arrester for AC/DC protection acc. to IEC 61643-11:2012
- Suitable for protecting terminals
- Installed in the vicinity of the equipment to be protected
- Can be used as single-port arrester when nominal current is greater than 16 A

General ordering data

Type	VPU III 3/280V
Order No.	1393050000
Version	Surge voltage arrester, Low voltage, with remote contact, TN-C, TN-S, TN-C-S, $U_p(L/N-PE) < 1000\text{ V}$
GTIN (EAN)	4050118193862
Qty.	1 pc(s).

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Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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Technical data
Dimensions and weights

Width	70 mm	Width (inches)	2.756 inch
Height	90 mm	Height (inches)	3.543 inch
Depth	57 mm	Depth (inches)	2.244 inch
Net weight	191 g		

Temperatures

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

Technical data, signal line

Rated current I_N	16 A
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Connection data, remote alert

Connection type	Screw connection	Max. torque	0.22 Nm
Stripping length	5 mm	Cross-section for connected wire, solid core, min.	0.2 mm ²
Cross-section for connected wire, solid core, max.	1.5 mm ²		

General data

Colour	grey	Design	Installation housing; 1TE, Insta IP 20
Optical function display	Green LED = OK, Red LED = arrester is defective, replace	Protection degree	IP20
Rail	TS 35	Segment	Power distribution
UL 94 flammability rating	V-0	Version	with remote contact

Insulation coordination acc. to EN 50178

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

Rated voltage (AC)	230 V	Voltage type	3-phase 230/400 V
Max. continuous voltage, U_c (AC)	275 V	Low voltage network	TN-C, TN-S, TN-C-S
Discharge current I_{max} (8/20 μ s) wire-PE	3 kA	Fuse	16 A
Short-circuit current rating I_{SCCR}	1.5 kA	Protection level U_p (typ.)	< 1000 V
Protection level U_p at I_N (L/N-PE)	≤ 1.8 kV	Leakage current at U_n	30 μ A
Temporary surge voltage (over-voltage) - TOV	440 V	Combined pulse U_{OC}	6 kV
Mains frequency at 250 Vmax	50...60Hz	Number of poles	1
PE conductor current I_{PE}	30 μ A	Rated current I_N	16 A
Requirements category acc. to IEC 61643-11	Type III	Requirements class, acc. to EN 61643-11	T3
Response time	≤ 100 ns	Signalling contact	250 V 10 A 1 NC

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Technical data**Connection data**

Type of connection	Screw connection	Stripping length, rated connection	7 mm
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.5 Nm
Clamping range, rated connection	2.5 mm ²	Clamping range, min.	0.5 mm ²
Clamping range, max.	2.5 mm ²	Wire cross-section, solid, min.	0.5 mm ²
Wire cross-section, solid, max.	2.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross section, finely stranded, max.	2.5 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	2.5 mm ²	Connection cross-section, stranded, min.	0.5 mm ²
Connection cross-section, stranded, max.	2.5 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	UNSPSC	30-21-19-21

Approvals

Approvals



ROHS

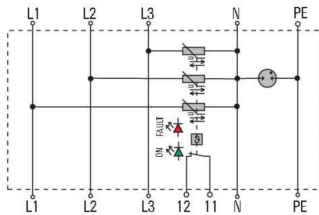
Conform

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

Data sheet**VPU series**
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www.weidmueller.com**Accessories****Crosshead screwdriver Phillips**

VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

**General ordering data**

Type	SDIK PH0	Version
Order No.	9008560000	Screwdriver, Blade length: 60 mm
GTIN (EAN)	4032248056552	
Qty.	1 pc(s).	