VPU II 3 PV 1500V DC

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



General ordering data

Version	Surge voltage arrester, Low voltage, without telecomm. contact
Order No.	1351500000
Type	VPU II 3 PV 1500V DC
GTIN (EAN)	4050118158618
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2022-03-30
Alternative product	2530640000

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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
Width	53.4 mm	Width (inches)	2.102 inch
Mounting dimension - height	75 mm	Net weight	407 g

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...70 °C

General data

Colour	black, orange	Design	Installation housing; 3TE, Insta IP 20
Operating altitude	≤ 2000 m	Optical function display	green = OK; red = arrester is defective - replace
Protection degree	IP20	Rail	TS 35
UL 94 flammability rating	V-0	Version	without telecomm. contact

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III

Photovoltaic technical data

Discharge current I_n (8/20 µs)	20 kA	Maximum continuous operating voltage DC UCPV mode +/-, -/PE, +/PE	1,500 V
PV system voltage, max. U_{cpv}	1,500 V	Protection level U_p (+/- , -/PE , +/PE)	≤ 5.2 kV
Requirements class	Type II	Short-circuit curent I_{SCPV}	200 A
Standards	EN 50539-11		

Rated data IEC / EN

Discharge current I_{max} (8/20µs) wire-PE	25 kA	Discharge current I_n (8/20µs) wire-PE	12.5 kA
Leakage current at U_n	100 µA	Max. continuous voltage, Uc (DC)	1500 V
Number of poles	3	PV voltage, acc. to IEC 60364-7-712	< 1500 V
Rated voltage (DC)	1500 V	Response time	≤ 25 ns
SPD type	T2	Signalling contact	No
Standards	EN 50539-11	Voltage type	DC

Connection data

Stripping length	15 mm	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

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Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	EC000941	ETIM 9.0	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
ECLASS 12.0	27-17-90-90	ECLASS 13.0	27179090

Tender specification sheets

Long specification	Multi-pole surge voltage arrestor according to the requirements of Class II acc. to IEC 50539-11. Consisting of V0 material, the arrestor serves as overvoltage protection and is used in applications according to IEC 50539-12 in unearthed PV systems. The use of a high-performance varistor consisting of V0 material meets the inspection requirements for Class II surge protection systems on the basis of the standards. The arrestor is installed in the vicinity of the equipment that needs protection, in a commercially available installation/electrical distribution enclosure. With thermal separation device on the varistor. If protection is no longer available, the colour in the display window changes from green to red. Rated voltage: 1500 VDC In/ max (8/20 µs): 20/40 kA, protection level < 5.2 kV, type: Weidmüller VPU II 3 PV 1500 V/40 kA, Order No. 1351500000 or equivalent	Short specification	Class II arrester with In/ Imax: 20/40 kA suitable for unearthed PV systems. Protection level < 5.2 kV. Type: Weidmüller VPU II 3 PV 1500 V/40 kA Order no. 1351500000 or equivalent

Approvals

Approvals	CE
ROHS	Conform

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Technical data

Downloads

Approval/Certificate/Document of Conformity	EU_Konformitätserklärung / EU_Declaration_of_Conformity
Engineering Data	CAD data – STEP
User Documentation	Beipackzettel / Instruction sheet
Catalogues	Catalogues in PDF-format
Brochures	

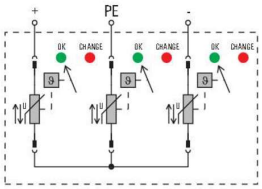
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Drawings

Electric symbol



Circuit diagram

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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 PH1	Version
Order No.	9008570000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056569	
Qty.	1 pc(s).	

Spare Arrester



General ordering data

Type	VPU II 0 PV 1500V DC	Version
Order No.	1351480000	Surge voltage arrester, Low voltage, Accessories
GTIN (EAN)	4050118158632	
Qty.	1 pc(s).	