

VPU II 3 PV 1000V 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.	1351270000
Type	VPU II 3 PV 1000V DC
GTIN (EAN)	4050118158793
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2022-03-30T00:00:00+02:00
Alternative product	VPU PV II 3 1000

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	69 mm	Depth (inches)	2.7165 inch
Height	94 mm	Height (inches)	3.7008 inch
Width	53.4 mm	Width (inches)	2.1024 inch
Mounting dimension - height	75 mm	Net weight	400 g

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...70
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Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

General data

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

Insulation coordination acc. to EN 50178

Surge voltage category	III	Pollution severity	2
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Photovoltaic technical data

Standards	EN 50539-11	Protection level Up (+/-, -/PE, +/PE)	≤ 4.0 kV
Short-circuit current ISCPV	200 A	Discharge current In (8/20 μs)	20 kA
Requirements class	Type II	PV system voltage, max. Ucpv	1000 V
Maximum continuous operating voltage DC UCPV mode +/-, -/PE, +/PE	1000 V		

Rated data IEC / EN

Number of poles	3	Leakage current at Un	100 μA
Signalling contact	No	Rated voltage (DC)	1000 V
PV voltage, acc. to IEC 60364-7-712	≤ 1000 V	Voltage type	DC
Response time / fallback time	≤ 25 ns	Standards	EN 50539-11
Max. continuous voltage, Uc (DC)	1000 V	Discharge current In (8/20 μs) wire-PE	20 kA
Discharge current I _{max} (8/20 μs) wire-PE	40 kA	SPD type	T2
Integrated back-up fuse	No		

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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 mm ²
Clamping range, min.	2.5 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

Electrical data

Voltage type	DC
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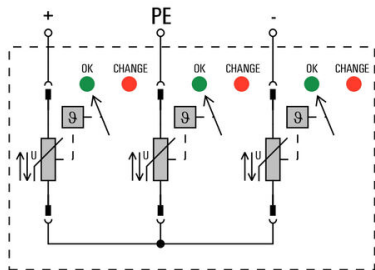
General data

Number of poles	3	Protection degree	IP20
Colour	black, orange		

Classifications

ETIM 8.0	EC000941	ETIM 9.0	EC000941
ETIM 10.0	EC000941	ECLASS 14.0	27-17-90-90
ECLASS 15.0	27-17-90-90		

Electric symbol



Circuit diagram

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Accessories

Spare Arrester



General ordering data

Type	VPU II 0 PV Y 1000V DC	Version	
Order No.	1375440000	Surge voltage arrester, Low voltage, Surge protection II	
GTIN (EAN)	4050118192230		
Qty.	1 ST		

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 ST		

Spare Arrester



General ordering data

Type	VPU II 0 PV 1000V DC	Version	
Order No.	1351190000	Surge voltage arrester, Low voltage, Accessories, Surge protection II	
GTIN (EAN)	4050118158847		
Qty.	1 ST		