Data sheet

VPU II 3 PV 1200V 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.	1351420000
Type	VPU II 3 PV 1200V DC
GTIN (EAN)	4050118158670
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2022-05-19T00:00:00+02:00
Alternative product	VPU PV II 3 1500

Data sheet

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Technical data

Approvals

Approvals	
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	370 g

Temperatures

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

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

Photovoltaic technical data

Standards	EN 50539-11	Protection level Up (+/- , -/PE , +/PE)	≤ 4.4 kV
Short-circuit curent ISCPV	200 A	Discharge current In (8/20 µs)	20 kA
Requirements class	Type II	PV system voltage, max. Ucpv	1200 V
Maximum continuous operating voltage DC UCPV mode +/-, -/PE, +/PE	1200 V		

Rated data IEC / EN

Number of poles	3	Leakage current at Un	100 µA
Signalling contact	No	Rated voltage (DC)	1200 V DC
PV voltage, acc. to IEC 60364-7-712	< 1200 V	Voltage type	DC
Response time / fallback time	≤ 25 ns	Standards	EN 50539-11
Max. continuous voltage, Uc (DC)	1200 V	Discharge current In (8/20µs) wire-PE	20 kA
Discharge current Imax (8/20µs) 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 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

Electrical data

Voltage type	DC

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		

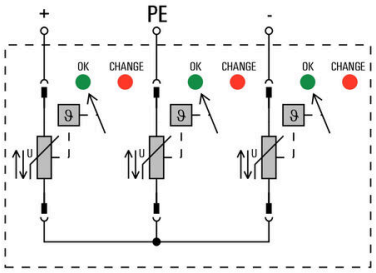
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Drawings

Electric symbol



Circuit diagram

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Accessories

Spare Arrester



General ordering data

Type	VPU II 0 PV 1200V DC	Version
Order No.	1351390000	Surge voltage arrester, Low voltage, Accessories, Surge protection II
GTIN (EAN)	4050118158694	
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	