

VPU II 0 PV 1000V DC

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

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	64 mm	Depth (inches)	2.5197 inch
Height	52 mm	Height (inches)	2.0472 inch
Width	17.8 mm	Width (inches)	0.7008 inch
Net weight	90.64 g		

Temperatures

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

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	Surge protection II
Design	Installation housing; 1TE, Insta IP 20	UL 94 flammability rating	V-0
Colour	orange	Protection degree	IP20
Mounting rail	TS 35		

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)	≤ 2.6 kV
Short-circuit current ISCPV	200 A	Requirements class	Type II
Protection level Up at IN (per module)	≤ 2.8 kV	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	1	Leakage current at Un	30 µA
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 (8/20µs) wire-PE	12.5 kA	Discharge current I _{max} (8/20µs) wire-PE	25 kA
Protection level Up at IN (L/N-PE)	≤ 2.8 kV	Integrated back-up fuse	No

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Connection data

Type of connection	pluggable	Wire connection cross section, finely stranded, min.	1.5 mm ²
Wire connection cross section, finely stranded, max.	25 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
Connection cross-section, stranded, max.	35 mm ²		

Electrical data

Voltage type	DC		
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General data

Number of poles	1	Protection degree	IP20
Colour	orange		

Classifications

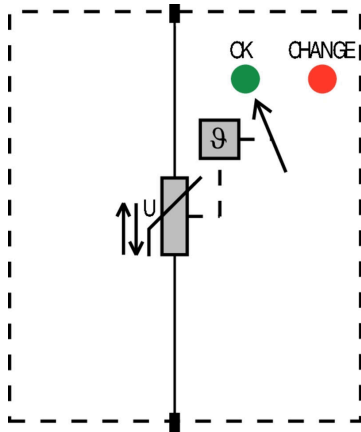
ETIM 8.0	EC000941	ETIM 9.0	EC000941
ETIM 10.0	EC000941	ECLASS 14.0	27-17-90-90
ECLASS 15.0	27-17-90-90		

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Drawings



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 X 80	Version	
Order No.	2749890000	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1	
GTIN (EAN)	4050118897098		
Qty.	1 ST		

Slotted screwdriver



VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	SDIS 1.0X5.5X125	Version	
Order No.	2749850000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade thickness (A): 1 mm	
GTIN (EAN)	4050118897050		
Qty.	1 ST		