

VPU II 0 PV 600V 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	73.5 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)	≤ 2.2 kV
Short-circuit current ISCPV	200 A	Requirements class	Type II
Protection level Up at IN (per module)	≤ 2.2 kV	PV system voltage, max. Ucpv	600 V
Maximum continuous operating voltage DC UCPV mode +/-, -/PE, +/-PE	600 V		

Rated data IEC / EN

Number of poles	1	Leakage current at Un	30 µA
Rated voltage (DC)	600 V	PV voltage, acc. to IEC 60364-7-712	<600 V
Voltage type	DC	Response time / fallback time	≤ 25 ns
Standards	EN 50539-11	Max. continuous voltage, Uc (DC)	600 V
Discharge current In (8/20µs) wire-PE	20 kA	Discharge current I _{max} (8/20µs) wire-PE	40 kA
Protection level Up at IN (L/N-PE)	≤ 2.2 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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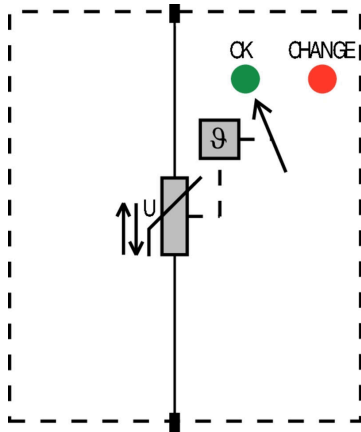
General data

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		

Drawings



Circuit diagram