

VPU PV II 3 R 600**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**General ordering data**

Order No.	2857070000
Type	VPU PV II 3 R 600
GTIN (EAN)	4064675537434
Qty.	1 items

VPU PV II 3 R 600

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	75 mm	Depth (inches)	2.9527 inch
Height	110 mm	Height (inches)	4.3307 inch
Width	54 mm	Width (inches)	2.126 inch
Mounting dimension - height	75 mm	Net weight	353 g

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...85 °C
Humidity	5 - 95% rel. humidity		

Environmental Product Compliance

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

Connection data, remote alert

Cross-section for connected wire, solid core (remote alert), min.	0.14 mm ²	Stripping length	8 mm
Connection type	PUSH IN	Cross-section for connected wire, solid core (remote alert), max.	1.5 mm ²

General data

Optical function display	green = OK; red = arrester is defective - replace	Version	with remote 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	≤ 4000 m

Insulation coordination acc. to EN 50178

Surge voltage category	III	Pollution severity	2
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Photovoltaic technical data

Standards	EN 61643-31, EN 50539-11	Protection level Up (+/-, -/PE, +/PE)	≤ 2 kV
Operating height in ungrounded PV system	≤ 4000 m	Short-circuit current I _{SCPV}	11000 A
Total discharge current (I _{total}) (8 / 20 μs)	50 kA	Discharge current I _n (8/20 μs)	20 kA
Requirements class	Type II	Operating height in the grounded PV system	≤ 2000 m
PV system voltage (U _{cpv}), max.	600 V		

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Rated data IEC / EN

Number of poles	3	Leakage current (nominal voltage)	30 µA
Signalling contact	250 V 1A 1CO	Rated voltage (DC)	600 V
Voltage type	DC	Response time / fallback time	≤ 25 ns
Standards	EN 61643-31, EN 50539-11	Requirements class, acc. to EN 61643-11	T2
Discharge current I _{max} (8/20µs) wire-PE50 kA		SPD type	T2
Integrated back-up fuse	No		

Connection data

Stripping length	18 mm	Type of connection	Screw connection
Stripping length, rated connection	18 mm	Tightening torque, min.	3 Nm
Tightening torque, max.	4.5 Nm	Clamping range, rated connection	6 mm ²
Clamping range, min.	1.5 mm ²	Clamping range, max.	35 mm ²
Wire cross-section, solid, min.	1.5 mm ²	Wire cross-section, solid, max.	1.5 mm ²
Wire connection cross section, finely stranded, min.	1.5 mm ²	Wire connection cross-section, finely stranded, max.	25 mm ²
Conductor cross-section, flexible with wire end ferrule (DIN 46228-1), min.	1.5 mm ²	Conductor cross-section, flexible with wire end ferrule (DIN 46228-1), 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	3	Protection degree	IP20
Colour	black, orange		

Guarantee

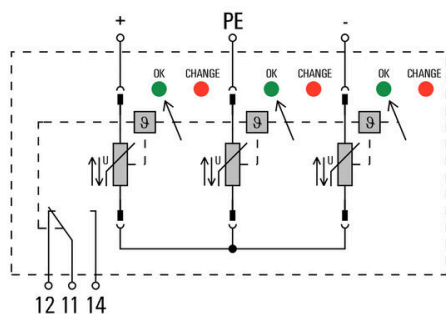
Time interval	5 years
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Classifications

ETIM 8.0	EC000941	ETIM 9.0	EC000941
ETIM 10.0	EC000941	ECLASS 14.0	27-17-14-02
ECLASS 15.0	27-17-14-02		

Drawings

Electric symbol



Circuit diagram