

VPU PV II 3 R 1500

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

www.weidmueller.com



General ordering data

Version	Surge voltage arrester, Low voltage, with remote contact
Order No.	2530650000
Type	VPU PV II 3 R 1500
GTIN (EAN)	4050118540864
Qty.	1 items

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Technical data

Approvals

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ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E354261

Dimensions and weights

Depth	70 mm	Depth (inches)	2.7559 inch
Height	102 mm	Height (inches)	4.0157 inch
Width	54 mm	Width (inches)	2.126 inch
Mounting dimension - height	75 mm	Net weight	431 g

Temperatures

Storage temperature	-40 °C...85 °C	Ambient 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%

Rated data UL

Ambient temperature (operational), max.	85 °C	Rated Voltage UN	1500 V
SCCR	65 kA	In	20 kA
Category	SPD TYPE 1CA	Ambient temperature (operational), min.	-40 °C
Certificate No. (cURus)	E354261	VPR (DC+ /DC-)	4000 V
VPR (DC-/G)	4000 V	Voltage type	DC

Connection data, remote alert

Cross-section for connected wire, solid core, min.	0.25 mm ²	Stripping length	8 mm
Connection type	PUSH IN	Cross-section for connected wire, solid core, 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		

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, UL 1449	Protection level Up (+/-, -/PE, +/PE)	≤ 5,0 kV
Operating height in ungrounded PV system	≤ 4000 m	Short-circuit current I _{SCPV}	11000 A
Total discharge current I _{total} (8/20μs)	40 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, max. U _{cpv}	1500 V		

Rated data IEC / EN

Number of poles	3	Leakage current at U _n	30 μA
Signalling contact	250 V 1A 1CO	Rated voltage (DC)	1500 V
Voltage type	DC	Response time / fallback time	≤ 25 ns
Standards	EN 61643-31, EN 50539-11, UL 1449	Requirements class, acc. to EN 61643-11	T2
Discharge current I _{max} (8/20μs) wire-PE	30 kA	SPD type	T2
Integrated back-up fuse	No		

Connection data

Stripping length	18 mm	Wire connection method	Screw connection
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.	6 mm ²	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	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