

VPU PV II O 1500**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	Surge voltage arrester, Low voltage, Accessories, Spare arrester
Order No.	2530630000
Type	VPU PV II O 1500
GTIN (EAN)	4050118540840
Qty.	9 pc(s).

VPU PV II O 1500

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Technical data

Dimensions and weights

Depth	63 mm	Depth (inches)	2.48 inch
Height	45 mm	Height (inches)	1.772 inch
Width	18 mm	Width (inches)	0.709 inch
Net weight	9.222 g		

Temperatures

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

Rated data UL

Ambient temperature (operational), max. 85 °C		Rated Voltage U_N	750 V
SCCR	65 kA	I_n	20 kA
Category	SPD TYPE 1CA	Ambient temperature (operational), min. -40 °C	
Certificate No. (cURus)	E354261	VPR (DC+/DC-)	4,000 V
Voltage type	DC		

General data

Colour	orange	Operating altitude	< 4,000 m, see operating instructions
Optical function display	green = OK; red = arrester is defective - replace	Protection degree	IP20
UL 94 flammability rating	V-0	Version	Spare arrester

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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Photovoltaic technical data

Discharge current I_n (8/20 μ s)	20 kA	Discharge current, max. (8/20 μ s)	30 kA
Operating height in the grounded PV system	≤ 2000 m	PV system voltage, max. U_{cpv}	1,500 V
Protection level U_p (+/-, -/PE, +/PE)	$\leq 5,0$ kV	Protection level U_p (+/-)	$\leq 5,0$ kV
Protection level U_p (+/PE)	≤ 2.5 kV	Protection level U_p (-/PE)	≤ 2.5 kV
Requirements class	Type II	Short-circuit current I_{SCPv}	11,000 A
Standards	EN 61643-31, EN 50539-11, UL 1449	Total discharge current I_{total} (8/20 μ s)	40 kA

Rated data IEC / EN

Discharge current, max. (8/20 μ s)	30 kA	Leakage current at U_n	30 μ A
Number of poles	1	Response time	≤ 25 ns
SPD type	T2	Standards	EN 61643-31, EN 50539-11, UL 1449
Voltage type	DC		

Connection data

Type of connection	pluggable
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Time interval	5 years
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Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	EC000941	ETIM 9.0	EC000941
ECLASS 9.0	27-13-08-05	ECLASS 9.1	27-13-08-05
ECLASS 10.0	27-13-08-05	ECLASS 11.0	27-13-08-05
ECLASS 12.0	27-17-90-90	ECLASS 13.0	27-17-90-90

Approvals

Approvals



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

Downloads

Approval/Certificate/Document of Conformity	CE VPU_PV
Engineering Data	CAD data – STEP
User Documentation	Beipackzettel / Instruction sheet
Catalogues	Catalogues in PDF-format

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Drawings

Electric symbol

