VPU PV I+II 0M 1500

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

www.weidmueller.com

Product image



Type II surge voltage arrester for use in photovoltaic applications

- Pluggable arrester
- Suitable for protecting DC systems
- High energy absorption with short response time
- Tested in accordance with EN 50539-11
- Suitable for use in accordance with IEC 60364-7-712 / EN 50539-12
- Coded voltage level
- Installation in distribution board
- Thermal protection function

General ordering data

Version	Surge voltage arrester, Low voltage, Accessories, Spare arrester
Order No.	2534330000
Type	VPU PV I+II 0M 1500
GTIN (EAN)	4050118546002
Qty.	9 pc(s).

Creation date September 14, 2021 4:28:34 AM CEST

VPU PV I+II 0M 1500

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

www.weidmueller.com

Technical data

Dimensions and weights

Depth	79 mm	Depth (inches)	3.11 inch
Height	45 mm	Height (inches)	1.772 inch
Width	18 mm	Width (inches)	0.709 inch
Net weight	67 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...70 °C
Humidity	5 - 95% rel. humidity		

Rated data UL

Certificate No. (UR)	E354261	Ambient temperature (operational), max.	85 ° C
Rated Voltage U_N	1,500 V	SCCR	65 kA
I_n	20 kA	Category	SPD TYPE 1CA
Rated current (UL)	1,500 A	Ambient temperature (operational), min.	-40 °C
Certificate No. (cURus)	E354261	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

Photovoltaic technical data

Discharge current I_n (8/20 µs)	20 kA	Discharge current, max. (8/20 µs)	30 kA
Lightning test current I_{imp} (10/350 µs)	5 kA	PV system voltage, max. U_{cpv}	1,500 V
Protection level U_p (+/- , -/PE , +/PE)	≤ 5,0 kV	Protection level U_p (+/-)	≤ 5,0 kV
Protection level U_p (+/PE)	≤ 5,0 kV	Protection level U_p (-/PE)	≤ 5,0 kV
Requirements class	Type I/II	Short-circuit curent I_{SCPV}	11,000 A
Standards	EN 50539-11, UL 1449	Total discharge current I_{total} (8/20µs)	40 kA
Total discharge current I_{total} (10/350µs)	10 kA		

Rated data IEC / EN

Discharge current, max. (8/20 µs)	30 kA	Leakage current at U_n	30 µA
Lightning test current I_{imp} (10/350 µs)	5 kA	Number of poles	1
Response time	≤ 25 ns	SPD type	T1, T2
Standards	EN 50539-11, UL 1449	Voltage type	DC

Connection data

Type of connection	pluggable

Ratings IECEx/ATEX/cUL

Certificate no. (cULus)	E354261

Creation date September 14, 2021 4:28:34 AM CEST

VPU PV I+II 0M 1500

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

www.weidmueller.com

Technical data

Guarantee

Time interval	5 years

Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	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		

Approvals

Approvals	
ROHS	Conform
UL File Number Search	E354261

Downloads

Approval/Certificate/Document of Conformity	EAC VPU SERIES CE_VPU_PV
Engineering Data	STEP
Catalogues	Catalogues in PDF-format

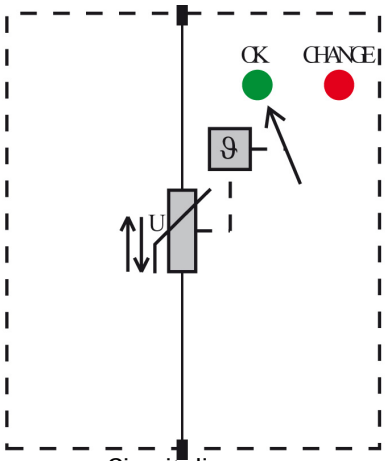
VPU PV I+II 0M 1500

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

www.weidmueller.com

Drawings

Electric symbol



Circuit diagram