

VPU PV I+II OM 1000**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, 1100 V, Spare arrester, 40 kA, I_{imp} : 6.25 kA
Order No.	2534300000
Type	VPU PV I+II OM 1000
GTIN (EAN)	4050118545906
Qty.	9 pc(s).

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Technical data

Dimensions and weights

Depth	79 mm	Depth (inches)	3.11 inch
Height	45 mm	Height (inches)	1.772 inch
Net weight	65 g	Width	18 mm
Width (inches)	0.709 inch		

Temperatures

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

Rated data UL

Operating altitude	< 4,000 m, see operating instructions	Certificate No. (UR)	E354261
Ambient temperature (operational), max. 85 °C		Rated Voltage U_N	1,100 V
SCCR	50 kA	I_n	20 kA
Category	SPD TYPE 1CA	Rated current (UL)	1,100 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

Operating altitude	< 4,000 m, see operating instructions	Pollution severity	2
Surge voltage category	III		

Photovoltaic technical data

Discharge current I_n (8/20 μ s)	20 kA	Discharge current, max. (8/20 μ s)	40 kA
Lightning test current I_{imp} (10/350 μ s)	6.25 kA	PV system voltage, max. U_{cpv}	1,100 V
Protection level U_p mode (+/-, -/PE, +/- PE)	≤ 3.8 kV	Protection level U_p mode (+/-)	≤ 3.8 kV
Protection level U_p mode (-/PE)	≤ 3.8 kV	Protection level U_p mode (+/PE)	≤ 3.8 kV
Requirements class	Type I/II	Short-circuit current I_{SCPv}	11,000 A
Standards	EN 50539-11:2013+A1:2014, UL 1449 Ed.4	Standby power consumption P_C	< 0.2 W
Total discharge current I_{total} (8/20 μ s)	50 kA	Total discharge current I_{total} (10/350 μ s)	12.5 kA

Rated data IEC / EN

Discharge current, max. (8/20 μ s)	40 kA	Leakage current at U_N	30 μ A
Lightning test current I_{imp} (10/350 μ s)	6.25 kA	Number of poles	1
Response time	≤ 25 ns	SPD type	T1, T2
Standards	EN 50539-11:2013+A1:2014, UL 1449 Ed.4	Voltage type	DC

Creation date March 29, 2021 6:53:22 PM CEST

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Type of connection	pluggable
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Ratings IECEx/ATEX/cUL

Certificate no. (cULus)	E354261
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Guarantee

Time interval	5 years
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Classifications

ETIM 6.0	EC000941	ETIM 7.0	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
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Drawings

Electric symbol

