

VPU II 0 PV 600V DC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**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, 600 V
Order No.	1351320000
Type	VPU II 0 PV 600V DC
GTIN (EAN)	4050118158755
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	64 mm	Depth (inches)	2.52 inch
Height	52 mm	Height (inches)	2.047 inch
Net weight	101 g	Width	17.8 mm
Width (inches)	0.701 inch		

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...
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General data

Colour	orange	Design	Installation housing; 1TE, Insta IP 20
Optical function display	green = OK; red = arrester is defective - replace	Protection degree	IP20
Rail	TS 35	UL 94 flammability rating	V-0

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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Photovoltaic technical data

Conditions and requirements	EN 50539-11	Maximum continuous operating voltage UCPV mode +/-, -/PE, +/-PE	600 V DC
PV system voltage, max. U_{cpv}	600 V	Protection level U_p at I_n (per module)	≤ 2.2 kV
Protection level U_p mode (+/-, -/PE, +/-PE)	≤ 2.2 kV	Short-circuit current I_{SCPv}	200 A
Standards	EN 50539-11		

Rated data IEC / EN

Discharge current I_{max} (8/20 μ s) wire-PE	40 kA	Discharge current I_n (8/20 μ s) wire-PE	20 kA
Leakage current at U_n	30 μ A	Max. continuous voltage, U_c (DC)	600 V
Number of poles	1	PV voltage, acc. to IEC 60364-7-712	< 600 V
Protection level U_p at I_N (L/N-PE)	≤ 2.2 kV	Rated voltage (DC)	600 V
Response time	≤ 25 ns	Standards	EN 50539-11
Voltage type	DC		

Connection data

Type of connection	pluggable
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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

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Technical data

Tender specification sheets

Long specification	Spare arrester consisting of V0 material for surge voltage arrester VPU II 600 VDC series The pluggable high-performance varistors can be exchanged by trained personnel following a failure. Rated voltage: 600 VDC for PV systems Type: Weidmüller VPU II 0 PV 600 VDC Order No.: 1351320000	Short specification	Spare arrester for surge voltage arrester VPU II 600 V DC series The pluggable high-performance varistors can be swapped by trained personnel following a failure. Rated voltage: 600 V DC for PV systems Type: Weidmüller VPU II 0 PV 600 V DC Order no.: 1351320000
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Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	EAC VPU SERIES CE PAPER Declaration of Conformity Declaration of Conformity
Engineering Data	EPLAN, WSCAD
User Documentation	Instruction sheet

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Drawings

