

## VPU II 2 PV 1000V DC

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

www.weidmueller.com



### General ordering data

Version	Surge voltage arrester, Low voltage, without telecomm. contact
Order No.	<a href="#">1351220000</a>
Type	VPU II 2 PV 1000V DC
GTIN (EAN)	4050118158830
Qty.	1 Stück
Replacement parts	<a href="#">1351190000</a>
Alternative product	<a href="#">2530550000</a>

Erstellungs-Datum May 15, 2023 1:54:13 PM CEST

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

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## Technische Daten

### Dimensions and weights

Depth	69 mm	Depth (inches)	2.717 inch
Height	94 mm	Height (inches)	3.701 inch
Width	35.6 mm	Width (inches)	1.402 inch
Mounting dimension - height	75 mm	Net weight	282 g

### Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...70 °C
Operating temperature, min.	-40 °C	Operating temperature, max.	70 °C

### General data

Colour	black, orange	Design	Installation housing; 2TE, Insta IP 20
Operating altitude	≤ 2000 m	Optical function display	green = OK; red = arrester is defective - replace
Protection degree	IP20	Rail	TS 35
UL 94 flammability rating	V-0	Version	without telecomm. contact

### 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 $\mu$ s)	12.5 kA	Maximum continuous operating voltage	
PV system voltage, max. $U_{cpv}$	1,000 V	DC UCPV mode +/-, -/PE, +/-PE	1,000 V
Protection level $U_p$ (+/PE)	≤ 2.8 kV	Protection level $U_p$ (+/-)	≤ 5.6 kV
Requirements class	Type II	Protection level $U_p$ (-/PE)	≤ 2.8 kV
Standards	EN 50539-11	Short-circuit current $I_{scpv}$	200 A

### Rated data IEC / EN

Discharge current $I_{max}$ (8/20 $\mu$ s) wire-PE	25 kA	Discharge current $I_n$ (8/20 $\mu$ s) wire-PE	12.5 kA
Leakage current at $U_n$	30 $\mu$ A	Max. continuous voltage, $U_c$ (DC)	1000 V
Number of poles	2	PV voltage, acc. to IEC 60364-7-712	≤ 1000 V
Rated voltage (DC)	1000 V	Response time	≤ 25 ns
SPD type	T2	Signalling contact	No
Standards	EN 50539-11	Voltage type	DC

### Connection data

Stripping length	15 mm	Type of connection	Screw connection
Stripping length, rated connection	15 mm	Tightening torque, min.	2 Nm
Tightening torque, max.	3 Nm	Clamping range, rated connection	16 mm <sup>2</sup>
Clamping range, min.	1.5 mm <sup>2</sup>	Clamping range, max.	35 mm <sup>2</sup>
Wire cross-section, solid, min.	1.5 mm <sup>2</sup>	Wire cross-section, solid, max.	16 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	1.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	25 mm <sup>2</sup>
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	1.5 mm <sup>2</sup>	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	50 mm <sup>2</sup>
Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>	Connection cross-section, stranded, max.	50 mm <sup>2</sup>

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### 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	ECLASS 12.0	27-17-90-90

### Tender specification sheets

Long specification	<p>Multi-pole surge voltage arrester according to the requirements of Class III acc. to IEC 50539-11. Consisting of VO material, the arrester serves as overvoltage protection in applications acc. to IEC 50539-12. The use of a high-performance varistor meets the inspection requirements for Class II surge protection systems on the basis of the standards. The arrester is installed in the vicinity of the equipment that needs protection, in a commercially available installation/electrical distribution enclosure. With thermal separation device on the varistor. If protection is no longer available, the colour in the display window changes from green to red. Rated voltage: 1000 VDC In/ max (8/20 µs): 12.5/25 kA, protection level &lt; 2.8 kV, type: Weidmüller VPU II 2 PV 1000 V/25 kA, Order No. 1351220000 or equivalent</p>	Short specification	<p>Class II arrester with In/Imax: 12.5/25 kA suitable for PV systems. Protection level &lt; 2.8 kV. Type: Weidmüller VPU II 2 PV 1000 V/25 kA Order no. 1352200000 or equivalent</p>
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### Approvals

Approvals



ROHS

Conform

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">EAC VPU SERIES</a> <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD, EPLAN</a>
User Documentation	<a href="#">Beipackzettel / Instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

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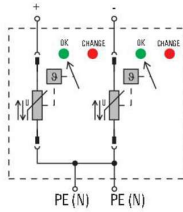
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**Zeichnungen**

[www.weidmueller.com](http://www.weidmueller.com)

**Electric symbol**



Circuit diagram