

**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 pc(s).
Replacement parts	<a href="#">1351190000</a>
Alternative product	<a href="#">2530550000</a>

Creation date July 9, 2025 11:12:44 AM CEST

Catalogue status 04.07.2025 / We reserve the right to make technical changes.

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## Technical data

### 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
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### General data

Number of poles	2	Protection degree	IP20
Colour	black, orange		

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

### 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
Integrated back-up fuse	No	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	$\leq 1000$ V	Rated voltage (DC)	1000 V
Response time	$\leq 25$ 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>

### Electrical data

Voltage type	DC
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Technical data

Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	EC000941	ETIM 9.0	EC000941
ETIM 10.0	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	ECLASS 14.0	27-17-90-90
ECLASS 15.0	27-17-90-90		

Tender specification sheets

Long specification	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 < 2.8 kV, type: Weidmüller VPU II 2 PV 1000 V/25 kA, Order No. 135 1220000 or equivalent	Short specification	Class II arrester with In/Imax: 12.5/25 kA suitable for PV systems. Protection level < 2.8 kV. Type: Weidmüller VPU II 2 PV 1000 V/25 kA Order no. 1352200000 or equivalent
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Approvals

Approvals



Approvals MAMID [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319222/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/)  
 ROHS Conform

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption  
 REACH SVHC No SVHC above 0.1 wt%

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Downloads**

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Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a> <a href="#">UK Konformitätserklärung / UK Declaration of Conformity</a>
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Engineering Data	<a href="#">CAD data – STEP</a> <a href="#">CAD data – DWG</a> <a href="#">CAD data – DXF</a>
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User Documentation	<a href="#">Beipackzettel / Instruction sheet</a>
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Catalogues	<a href="#">Catalogues in PDF-format</a>
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Brochures	
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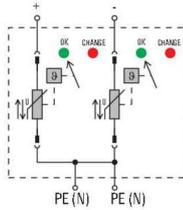
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Drawings

Electric symbol



Circuit diagram

**Data sheet****VPU II 2 PV 1000V DC**

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**Replacement parts****Spare Arrester****General ordering data**

Type	VPU II 0 PV 1000V DC	Version
Order No.	<a href="#">1351190000</a>	Surge voltage arrester, Low voltage, Accessories, Surge protection II
GTIN (EAN)	4050118158847	
Qty.	1 pc(s).	

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## Accessories

### Spare Arrester



#### General ordering data

Type	VPU II 0 PV 1000V DC	Version
Order No.	<a href="#">1351190000</a>	Surge voltage arrester, Low voltage, Accessories, Surge protection II
GTIN (EAN)	4050118158847	
Qty.	1 pc(s).	

### Crosshead screwdriver Phillips



VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

#### General ordering data

Type	SDIK PH1	Version
Order No.	<a href="#">9008570000</a>	Screwdriver, Screwdriver
GTIN (EAN)	4032248056569	
Qty.	1 pc(s).	