

VPU II 2 PV 600V 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.	1351340000
Type	VPU II 2 PV 600V DC
GTIN (EAN)	4050118158731
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS

Conform

Dimensions and weights

Depth	69 mm	Depth (inches)	2.7165 inch
Height	94 mm	Height (inches)	3.7008 inch
Width	35.6 mm	Width (inches)	1.4016 inch
Mounting dimension - height	75 mm	Net weight	290 g

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...70 °C
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Environmental Product Compliance

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

General data

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

Insulation coordination acc. to EN 50178

Surge voltage category	III	Pollution severity	2
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Photovoltaic technical data

Standards	EN 50539-11	Operating height in ungrounded PV system	≤ 2000 m
Short-circuit current I _{SCPV}	200 A	Total discharge current I _{total} (8/20μs)	40 kA
Discharge current I _n (8/20 μs)	12.5 kA	Requirements class	Type II
Operating height in the grounded PV system	≤ 2000 m	Protection level Up (-/PE)	≤ 2.2 kV
Protection level Up (+/-)	≤ 4.4 kV	Protection level Up (+/PE)	≤ 2.2 kV
PV system voltage, max. U _{cpv}	600 V	Maximum continuous operating voltage DC UCPV mode +/-, -/PE, +/PE	600 V

Rated data IEC / EN

Number of poles	2	Leakage current at U _n	30 μA
Signalling contact	No	Rated voltage (DC)	600 V
PV voltage, acc. to IEC 60364-7-712	<600 V	Voltage type	DC
Response time / fallback time	≤ 25 ns	Standards	EN 50539-11
Max. continuous voltage, U _c (DC)	600 V	Discharge current I _n (8/20μs) wire-PE	20 kA
SPD type	T2	Integrated back-up fuse	No

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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 ²
Clamping range, min.	1.5 mm ²	Clamping range, max.	35 mm ²
Wire cross-section, solid, min.	1.5 mm ²	Wire cross-section, solid, max.	16 mm ²
Wire connection cross section, finely stranded, min.	1.5 mm ²	Wire connection cross section, finely stranded, max.	25 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	1.5 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	50 mm ²
Connection cross-section, stranded, min.	1.5 mm ²	Connection cross-section, stranded, max.	50 mm ²

Electrical data

Voltage type	DC
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General data

Number of poles	2	Protection degree	IP20
Colour	black, orange		

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 II acc. to IEC 50539-11. Consisting of V0 material, the arrester serves as overvoltage protection and is used in applications according 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	Short specification	Class II arrester with In/Imax: 20/40 kA suitable for 600 V PV systems. Protection level < 2.2 kV. Type: Weidmüller VPU II 2 PV 600 V/40 kA Order no. 13513400000 or equivalent
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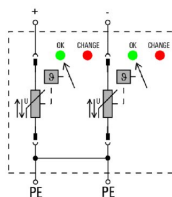
www.weidmueller.com

Technical data

from green to red. Rated
voltage: 600 VAC In/
max (8/20 µs): 20/40
kA, protection level < 2.2
kV I, type: Weidmüller
VPU II 2 PV 600 V/40 kA,
Order No. 1351340000 or
equivalent

Drawings

Electric symbol



Circuit diagram

VPU II 2 PV 600V DC

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Accessories**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 X 80	Version
Order No.	2749890000	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1
GTIN (EAN)	4050118897098	
Qty.	1 ST	

Spare Arrester**General ordering data**

Type	VPU II 0 PV 600V DC	Version
Order No.	1351320000	Surge voltage arrester, Low voltage, Accessories, Surge protection II
GTIN (EAN)	4050118158755	
Qty.	1 ST	