

VPCB PV I+II R 600 E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

'Abbildung ähnlich'

Versatile accessories round off the surge protection range. E.g. the all-purpose measuring device V-TEST, which is used to check the function of pluggable arresters such as VSPC.

General ordering data

Order No.	2857100000
Type	VPCB PV I+II R 600 E
GTIN (EAN)	4064675537465
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	52.2 mm	Depth (inches)	2.055 inch
Height	61.5 mm	Height (inches)	2.421 inch
Width	17.9 mm	Width (inches)	0.705 inch
Net weight	20 g		

Temperatures

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

General data

Number of poles	1	Protection degree	IP20
Colour	grey		

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	Discharge current I_n (8/20 μ s)	20 kA
Lightning test current I_{imp} (10/350 μ s)	6.25 kA	Operating height in the grounded PV system	≤ 4000 m
Operating height in ungrounded PV system	≤ 4000 m	PV system voltage, max. U_{cpv}	750 V
Requirements class	Type I/II	Short-circuit current I_{SCPv}	11 kA

Rated data IEC / EN

Acoustic signal	No	Discharge current I_{max} (8/20 μ s) wire-PE	40 kA
Lightning test current I_{imp} (10/350 μ s) (L-PE)	6.25 kA	Lightning test current I_{imp} (10/350 μ s)	6.25 kA
Number of poles	1	Signalling contact	125 V AC / 1 A, 48 V CC / 0.5 A
Voltage type	DC		

Connection data

Type of connection	Solder connection, when screwed in
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Electrical data

Voltage type	DC
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Guarantee

Time interval	5 years
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www.weidmueller.com**Technical data****Classifications**

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	EC000941	ETIM 9.0	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		

Environmental Product Compliance

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

Approvals

ROHS	Conform
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Downloads

Engineering Data	CAD data – STEP
User Documentation	Assembly instructions VPCB PV
Catalogues	Catalogues in PDF-format

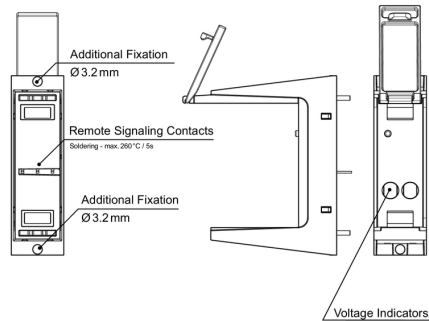
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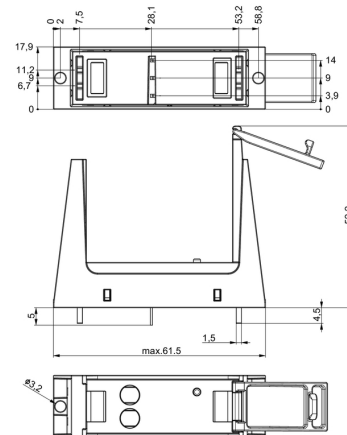
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Drawings

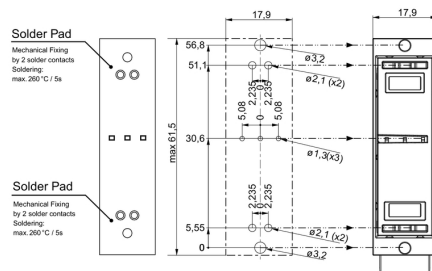
Similar to illustration



Dimensioned drawing



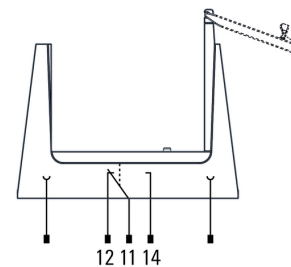
Example of use



PCB layout and production:

- Air clearances and creepage distances have to be maintained according to standards for specified application.
- Discharge capacity of the SPD must be considered when designing PCB tracks
- Max. soldering temperature is 260°/5s
- PCB socket is fixed on PCB with 2 x two solder contacts and 2 x Ø 3.2 mm fixing holes.

Electric symbol



Schematic circuit diagram



Application with arrestor

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www.weidmueller.com**Accessories****Spare Arrestor****VPU PV**

The VARITECTOR overvoltage protection series VPU PV I (Type I) and VPU PV II (Type II) protects Photovoltaic systems and their components effective against interference from lightning and surges. Even well below the limits that are specified through the insulation coordination according to EN 60664-3 / DIN VDE 0110-3.

The arresters are designed according to product standard IEC 50539-11 / DIN EN 50539-11 tested and can be used in systems according to the application standard IEC 50539-12 / DIN EN 50539-12 and according to IEC 60364-7-712 "Installation of photovoltaic supply systems" to be installed.

General ordering data

Type	VPU PV I+II 0 600 E
Order No.	2857050000
GTIN (EAN)	4064675537410
Qty.	9 pc(s).