

**VPCB PV I+II R M 1000**

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

[www.weidmueller.com](http://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.	2665770000
Type	<a href="#">VPCB PV I+II R M 1000</a>
GTIN (EAN)	4050118686265
Qty.	20 items

## VPCB PV I+II R M 1000

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## Technical data

### Approvals

Approvals



ROHS Conform

### Dimensions and weights

Depth	52.2 mm	Depth (inches)	2.0551 inch
Height	61.6 mm	Height (inches)	2.4252 inch
Width	17.9 mm	Width (inches)	0.7047 inch
Net weight	20 g		

### Temperatures

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

### Environmental Product Compliance

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

### General data

Version	Miscellaneous	Design	miscellaneous
UL 94 flammability rating	V-0	Colour	grey
Protection degree	IP20		

### Insulation coordination acc. to EN 50178

Surge voltage category	III	Pollution severity	2
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### Photovoltaic technical data

Lightning test current Iimp (10/350 µs)	6.25 kA	Conditions and requirements	EN 50539-11
Short-circuit current ISCPV	11 kA	Discharge current In (8/20 µs)	20 kA
Requirements class	Type I/II	Operating height in the grounded PV system	≤ 4000 m
PV system voltage, max. Ucpv	1500 V		

### Rated data IEC / EN

Number of poles	1	Signalling contact	250 V / 0,5 A, 48 V CC / 0,5 A
Voltage type	DC	Lightning test current Iimp (10/350 µs)	6.25 kA
Discharge current I <sub>max</sub> (8/20µs) wire-PE40 kA		Integrated back-up fuse	No

### Connection data

Type of connection	Solder connection
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### Electrical data

Voltage type	DC
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**Technical data****General data**

Number of poles	1	Protection degree	IP20
Colour	grey		

**Guarantee**

Time interval	5 years
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**Classifications**

ETIM 8.0	EC002496	ETIM 9.0	EC002496
ETIM 10.0	EC002496	ECLASS 14.0	27-17-14-03
ECLASS 15.0	27-17-14-03		

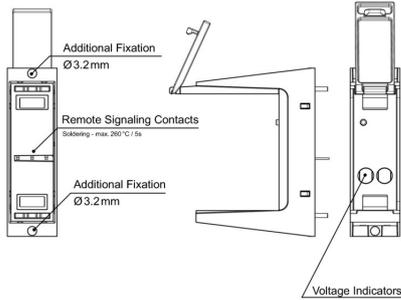
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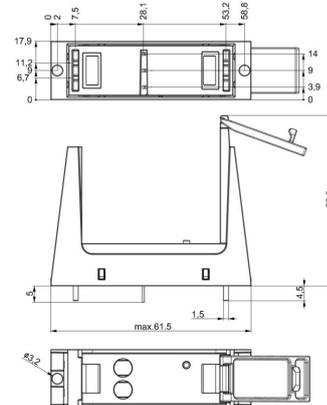
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Drawings

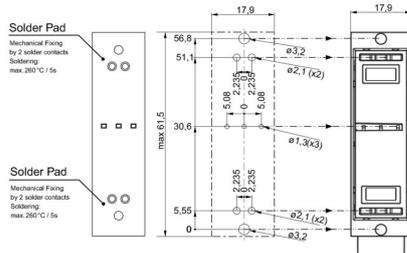
Similar to illustration



Dimensioned drawing

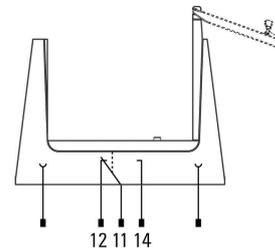


Example of use



- PCB layout and production:**
- Air clearance 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 arrester

Sockettyp / Socket type / Type d'embase / Tipo di presa / Tipo de conector / 插座类型	Überspannungableiter / Surge arrester / Parafoudre / Scaricatore / Descargador de sobretensiones / 浪涌电压保护器		
Bestellnummer / Order number / Numéro de commande / Numero ordine / Número de pedido / 订货号	Bezeichnung / Designation / Designation / Designation / Designation / 分配		
265680000	VPCB PV II 1000	253060000	VPU PV II 0 1000
265690000	VPCB PV III R 1000 1)		
2656540000	VPCB PV I+II 1000	253060000	VPU PV I+II 0 1000
2656760000	VPCB PV I+II R 1000 1)		
2656750000	VPCB PV I+II M 1000		
2656770000	VPCB PV I+II R M 1000 1)	253430000	VPU PV I+II 0M 1000

1) R = Fernmeldesignal / Remote signalling contacts / Contacts de téléseñalización / Contatti di segnalazione remota / Contactos de señalización a distancia / 远程信号触点

Selection