

VPCB PV II R 1000

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.	2665690000
Type	VPCB PV II R 1000
GTIN (EAN)	4050118686623
Qty.	20 items

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Technical data

Approvals

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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	10 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

Conditions and requirements	EN 50539-11	Short-circuit current I _{SCPV}	11 kA
Discharge current I _n (8/20 μs)	20 kA	Requirements class	Type I/II
Operating height in the grounded PV system	≤ 4000 m	PV system voltage, max. U _{cpv}	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	Discharge current I _{max} (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		

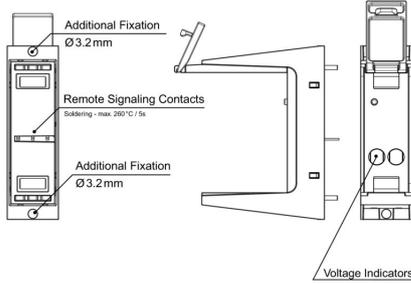
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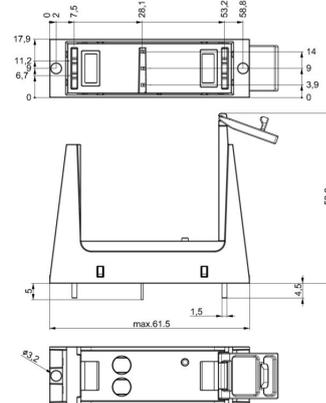
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Drawings

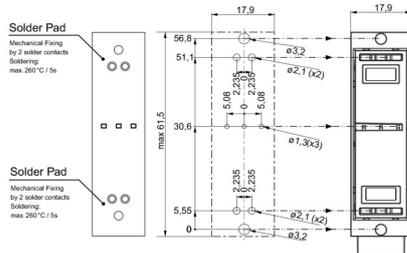
Similar to illustration



Dimensioned drawing



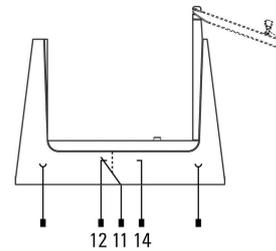
Example of use



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 / Parasfoudre / 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 / Designación / 分配	Bestellnummer / Order number / Numéro de commande / Numero ordine / Número de pedido / 订货号	Bezeichnung / Designation / Designation / Designation / Designación / 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
265670000	VPCB PV I+II R 1000 1)		
2656750000	VPCB PV I+II M 1000		
2656770000	VPCB PV I+II R M 1000 1)	2534300000	VPU PV I+II OM 1000

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

Selection