

**VPCB PV II R 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.  | <a href="#">2665690000</a> |
| Type       | VPCB PV II R 1000          |
| GTIN (EAN) | 4050118686623              |
| Qty.       | 20 pc(s).                  |

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## Technical data

## Dimensions and weights

|                |            |                 |            |
|----------------|------------|-----------------|------------|
| Depth          | 52.2 mm    | Depth (inches)  | 2.055 inch |
| Height         | 61.6 mm    | Height (inches) | 2.425 inch |
| Net weight     | 10 g       | Width           | 17.9 mm    |
| Width (inches) | 0.705 inch |                 |            |

## Temperatures

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

## Rated data UL

|                                               |           |                     |         |
|-----------------------------------------------|-----------|---------------------|---------|
| Ambient temperature (operational), max. 85 °C |           | Rated Voltage $U_N$ | 750 V   |
| $I_{max}$                                     | 40 kA     | $I_n$               | 20 kA   |
| MODE                                          | all modes | VPR (DC-/G)         | 750 Vdc |
| Voltage type                                  | DC        |                     |         |

## General data

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

## Insulation coordination acc. to EN 50178

|                    |   |                        |     |
|--------------------|---|------------------------|-----|
| Pollution severity | 2 | Surge voltage category | III |
|--------------------|---|------------------------|-----|

## Photovoltaic technical data

|                                        |             |                                            |               |
|----------------------------------------|-------------|--------------------------------------------|---------------|
| Conditions and requirements            | EN 50539-11 | Discharge current $I_n$ (8/20 $\mu$ s)     | 20 kA         |
| Discharge current, max. (8/20 $\mu$ s) | 40 kA       | Operating height in the grounded PV system | $\leq 4000$ m |
| PV system voltage, max. $U_{cpv}$      | 1,500 Vdc   | Requirements class                         | Type I/II     |

## Rated data IEC / EN

|                                        |       |                 |   |
|----------------------------------------|-------|-----------------|---|
| Discharge current, max. (8/20 $\mu$ s) | 40 kA | Number of poles | 1 |
| Voltage type                           | DC    |                 |   |

## Connection data

|                    |                                    |
|--------------------|------------------------------------|
| Type of connection | Solder connection, when screwed in |
|--------------------|------------------------------------|

## Guarantee

|               |         |
|---------------|---------|
| Time interval | 5 years |
|---------------|---------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000941    | ETIM 7.0    | 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 |

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## Technical data

### Approvals

ROHS

Conform

### Downloads

Engineering Data

[STEP](#)

User Documentation

[Assembly instructions VPCB PV](#)

Brochure/Catalogue

[Catalogues in PDF-format](#)

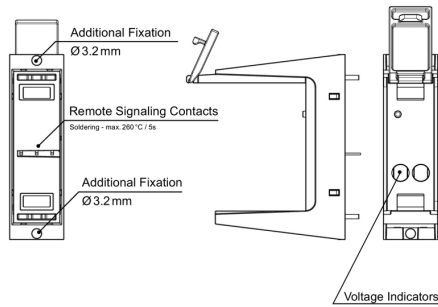
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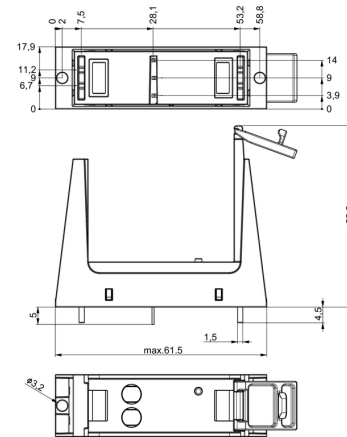
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## Drawings

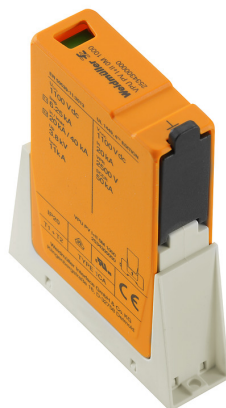
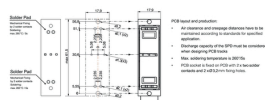
### Similar to illustration



### Dimensioned drawing



### Example of use



Application with arrestor

| Socket type / Type d'embase / Tipo di presa / Tipo de conector / 插座类型   | Überstromschutz / Surge arrester / Parafoudre / Surprotecteur / 浪涌保护器   |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Bestellnummer / Order number / Numéro de commande / Numero ordine / 订货号 | Bestellnummer / Order number / Numéro de commande / Numero ordine / 订货号 |
| 254300000                                                               | VPCB PV II R 1000                                                       |
| 254300001                                                               | VPCB PV II R 1000 T1                                                    |
| 254300002                                                               | VPCB PV II R 1000 T2                                                    |
| 254300003                                                               | VPCB PV II R 1000 T3                                                    |
| 254300004                                                               | VPCB PV II R 1000 T4                                                    |
| 254300005                                                               | VPCB PV II R 1000 T5                                                    |
| 254300006                                                               | VPCB PV II R 1000 T6                                                    |
| 254300007                                                               | VPCB PV II R 1000 T7                                                    |
| 254300008                                                               | VPCB PV II R 1000 T8                                                    |
| 254300009                                                               | VPCB PV II R 1000 T9                                                    |
| 254300010                                                               | VPCB PV II R 1000 T10                                                   |
| 254300011                                                               | VPCB PV II R 1000 T11                                                   |
| 254300012                                                               | VPCB PV II R 1000 T12                                                   |
| 254300013                                                               | VPCB PV II R 1000 T13                                                   |
| 254300014                                                               | VPCB PV II R 1000 T14                                                   |
| 254300015                                                               | VPCB PV II R 1000 T15                                                   |
| 254300016                                                               | VPCB PV II R 1000 T16                                                   |
| 254300017                                                               | VPCB PV II R 1000 T17                                                   |
| 254300018                                                               | VPCB PV II R 1000 T18                                                   |
| 254300019                                                               | VPCB PV II R 1000 T19                                                   |
| 254300020                                                               | VPCB PV II R 1000 T20                                                   |
| 254300021                                                               | VPCB PV II R 1000 T21                                                   |
| 254300022                                                               | VPCB PV II R 1000 T22                                                   |
| 254300023                                                               | VPCB PV II R 1000 T23                                                   |
| 254300024                                                               | VPCB PV II R 1000 T24                                                   |
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| 254300049                                                               | VPCB PV II R 1000 T49                                                   |
| 254300050                                                               | VPCB PV II R 1000 T50                                                   |

1) R = Fernmeldeanlage / Remote signaling contacts / Contacts de télécommunication / Contatti di segnalazione remota / Contactos de señalización a distancia / 远端信号触点

Selection