

**VPU PV I+II O 1000 E**

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

www.weidmueller.com

**Product image**



Similar to illustration



**General ordering data**

|            |   |
|------------|---|
| Version    | Surge voltage arrester, Low voltage, Accessories, Surge protection I / II, Spare arrester |
| Order No.  | <a href="#">2530530000</a>  |
| Type       | VPU PV I+II O 1000 E  |
| GTIN (EAN) | 4050118540741   |
| Qty.       | 9 items   |

## VPU PV I+II 0 1000 E

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 57.2 mm | Depth (inches)  | 2.252 inch  |
| Height     | 45 mm   | Height (inches) | 1.7716 inch |
| Width      | 18 mm   | Width (inches)  | 0.7087 inch |
| Net weight | 9.44 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

|                          |   |                           |   |
|--------------------------|---|---------------------------|---|
| Optical function display | green = OK; red = arrester is defective - replace | Version                   | Surge protection I / II, Spare arrester |
| Design                   | Installation housing; 1TE                         | UL 94 flammability rating | V-0                                     |
| Colour                   | orange  | Protection degree         | IP20                                    |
| Operating altitude       | ≤ 4000 m  |                           |   |

## Insulation coordination acc. to EN 50178

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

## Photovoltaic technical data

|  |                          |  |          |
|--|--------------------------|--|----------|
| Standards                                  | EN 61643-31, EN 50539-11 | Lightning test current Iimp (10/350 μs)    | 5 kA     |
| Protection level Up (+/-, -/PE, +/-PE)     | ≤ 3.8 kV                 | Short-circuit current ISCPV                | 11000 A  |
| Total discharge current Itotal (8/20 μs)   | 50 kA                    | Discharge current In (8/20 μs)             | 20 kA    |
| Requirements class                         | Type I/II                | Operating height in the grounded PV system | ≤ 2000 m |
| Total discharge current Itotal (10/350 μs) | 6.25 kA                  | PV system voltage, max. Ucpv               | 1100 V   |

## Rated data IEC / EN

|                             |                           |   |         |
|-----------------------------|---------------------------|---|---------|
| Number of poles             | 1                         | Leakage current at Un                   | 30 μA   |
| Signalling contact          | No                        | Voltage type                            | DC      |
| Fuse protection             | No                        | Response time / fallback time           | ≤ 25 ns |
| Standards                   | EN 61643-31, EN 50539-11  | Lightning test current Iimp (10/350 μs) | 5 kA    |
| Energy coordination (≤10 m) | Type I, Type II, Type III | SPD type                                | T1, T2  |
| Integrated back-up fuse     | No                        |   |         |

## VPU PV I+II 0 1000 E

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

[www.weidmueller.com](http://www.weidmueller.com)

## Technical data

### Connection data

|  |                     |                                 |                    |
|--|---------------------|---------------------------------|--------------------|
| Stripping length                                     | 18 mm               | Type of connection              | pluggable          |
| Wire cross-section, solid, min.                      | 1.5 mm <sup>2</sup> | Wire cross-section, solid, max. | 35 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max. | 35 mm <sup>2</sup>  |                                 |                    |

### Electrical data

|              |    |  |  |
|--------------|----|--|--|
| Voltage type | DC |  |  |
|--------------|----|--|--|

### General data

|                 |        |                   |      |
|-----------------|--------|-------------------|------|
| Number of poles | 1      | Protection degree | IP20 |
| Colour          | orange |                   |      |

### Guarantee

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

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC001457    | ETIM 9.0    | EC001457    |
| ETIM 10.0   | EC001457    | ECLASS 14.0 | 27-17-14-03 |
| ECLASS 15.0 | 27-17-14-03 |             |             |

Electric symbol



Circuit diagram

## VPU PV I+II 0 1000 E

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

www.weidmueller.com

## 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.  | <a href="#">2749890000</a> | Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1 |  |
| GTIN (EAN) | 4050118897098              |   |  |
| Qty.       | 1 ST                       |   |  |

## Slotted screwdriver



VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

## General ordering data

|            |                            |   |  |
|------------|----------------------------|---|--|
| Type       | SDIS 1.0X5.5X125           | Version   |  |
| Order No.  | <a href="#">2749850000</a> | Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade thickness (A): 1 mm |  |
| GTIN (EAN) | 4050118897050              |   |  |
| Qty.       | 1 ST                       |   |  |

## Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## VPU PV I+II 0 1000 E

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

[www.weidmueller.com](http://www.weidmueller.com)

## Accessories

### General ordering data

|            |                            |  |  |
|------------|----------------------------|--|--|
| Type       | ESG 6/15 K MC NE WS        | Version  |  |
| Order No.  | <a href="#">1880100000</a> | ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive |  |
| GTIN (EAN) | 4032248478781              |  |  |
| Qty.       | 200 ST                     |  |  |

### VPU Series



Extensive accessories round off the product range

### General ordering data

|            |                            |         |  |
|------------|----------------------------|---------|--|
| Type       | VPU LOCKING CLIP S         | Version |  |
| Order No.  | <a href="#">2735080000</a> |         |  |
| GTIN (EAN) | 4050118826050              |         |  |
| Qty.       | 10 ST                      |         |  |