

**VPU PV I+II 5 0M 1000****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****General ordering data**

|            |                            |
|------------|----------------------------|
|            |                            |
| Order No.  | <a href="#">2856650000</a> |
| Type       | VPU PV I+II 5 0M 1000      |
| GTIN (EAN) | 4064675536581              |
| Qty.       | 9 pc(s).                   |

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## Technical data

## Dimensions and weights

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Depth      | 57.2 mm  | Depth (inches)  | 2.252 inch |
| Height     | 45 mm    | Height (inches) | 1.772 inch |
| Width      | 18 mm    | Width (inches)  | 0.709 inch |
| Net weight | 10.556 g |                 |            |

## Temperatures

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

## General data

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

## Insulation coordination acc. to EN 50178

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

## Photovoltaic technical data

|                                                    |               |                                                      |                                      |
|----------------------------------------------------|---------------|------------------------------------------------------|--------------------------------------|
| Discharge current $I_n$ (8/20 $\mu$ s)             | 20 kA         | Lightning test current $I_{imp}$ (10/350 $\mu$ s)    | 5 kA                                 |
| Operating height in the grounded PV system         | $\leq 2000$ m | Operating height in ungrounded PV sys-tem            | <4,000 m, see operating instructions |
| PV system voltage, max. $U_{cpv}$                  | 1,100 V       | Protection level $U_p$ (+/- , -/PE , +/PE)           | $\leq 3.8$ kV                        |
| Short-circuit current $I_{scpv}$                   | 11,000 A      | Standards                                            | EN 61643-31, EN 50539-11             |
| Total discharge current $I_{total}$ (8/20 $\mu$ s) | 50 kA         | Total discharge current $I_{total}$ (10/350 $\mu$ s) | 10 kA                                |

## Rated data IEC / EN

|                         |              |                                                   |                          |
|-------------------------|--------------|---------------------------------------------------|--------------------------|
| Integrated back-up fuse | No           | Lightning test current $I_{imp}$ (10/350 $\mu$ s) | 5 kA                     |
| Number of poles         | 1            | Rated voltage (DC)                                | 1000 V                   |
| Response time           | $\leq 25$ ns | SPD type                                          | T1, T2                   |
| Signalling contact      | No           | Standards                                         | EN 61643-31, EN 50539-11 |
| Voltage type            | DC           |                                                   |                          |

## Connection data

|                                                      |                     |                                                      |                    |
|------------------------------------------------------|---------------------|------------------------------------------------------|--------------------|
| Type of connection                                   | pluggable           | Stripping length, rated connection                   | 18 mm              |
| Wire cross-section, solid, min.                      | 1.5 mm <sup>2</sup> | Wire cross-section, solid, max.                      | 16 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, min. | 1.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, max. | 25 mm <sup>2</sup> |
| Connection cross-section, stranded, min.             | 1.5 mm <sup>2</sup> | Connection cross-section, stranded, max.             | 35 mm <sup>2</sup> |

## Electrical data

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

## Guarantee

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

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|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000941    | ETIM 7.0    | EC000941    |
| ETIM 8.0    | EC000941    | ETIM 9.0    | EC000941    |
| ETIM 10.0   | 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 |
| ECLASS 15.0 | 27-17-90-90 |             |             |

**Environmental Product Compliance**

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

**Approvals**

Approvals



|                 |                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> |
| ROHS            | Conform                                                                                                                                                                     |

**Downloads**

|                                             |                                                                         |
|---------------------------------------------|-------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EU_Konformitätserklärung / EU_Declaration_of_Conformity</a> |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                |

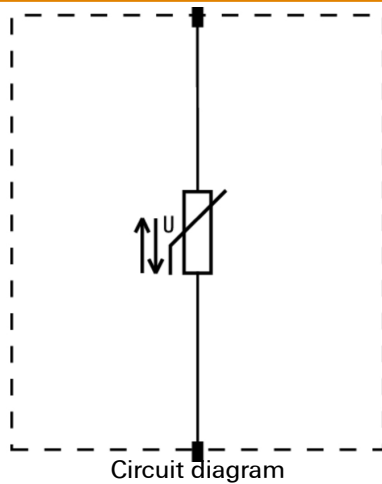
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## Drawings

### Electric symbol



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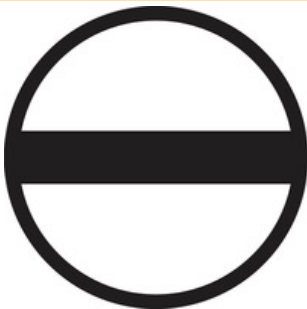
Germany

[www.weidmueller.com](http://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 pc(s).                   |                                                                   |

**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 |
| GTIN (EAN) | 4050118897050              | thickness (A): 1 mm                                               |
| Qty.       | 1 pc(s).                   |                                                                   |