

**VPU PV I+II O 1500****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Similar to illustration

**Type II surge voltage arrester for use in photovoltaic applications**

- Pluggable arrester
- Suitable for protecting DC systems
- High energy absorption with short response time
- Tested in accordance with EN 50539-11
- Suitable for use in accordance with IEC 60364-7-712 / EN 50539-12
- Coded voltage level
- Installation in distribution board
- Thermal protection function

**General ordering data**

|            |                                                                                                   |
|------------|---------------------------------------------------------------------------------------------------|
| Version    | Surge voltage arrester, Low voltage, Accessories, 1500 V, Spare arrester, 30 kA, $I_{imp}$ : 5 kA |
| Order No.  | <a href="#">2530570000</a>                                                                        |
| Type       | VPU PV I+II O 1500                                                                                |
| GTIN (EAN) | 4050118540482                                                                                     |
| Qty.       | 9 pc(s).                                                                                          |

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## Technical data

## Dimensions and weights

|                |            |                 |            |
|----------------|------------|-----------------|------------|
| Depth          | 79 mm      | Depth (inches)  | 3.11 inch  |
| Height         | 45 mm      | Height (inches) | 1.772 inch |
| Net weight     | 10.667 g   | Width           | 18 mm      |
| Width (inches) | 0.709 inch |                 |            |

## Temperatures

|                     |                       |                       |                |
|---------------------|-----------------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C        | Operating temperature | -40 °C...70 °C |
| Humidity            | 5 - 95% rel. humidity |                       |                |

## Rated data UL

|                                                |                                       |                         |         |
|------------------------------------------------|---------------------------------------|-------------------------|---------|
| Operating altitude                             | < 4,000 m, see operating instructions | Certificate No. (UR)    | E354261 |
| Ambient temperature (operational), max. 85 °C  |                                       | Rated Voltage $U_N$     | 750 V   |
| SCCR                                           | 65 kA                                 | $I_n$                   | 20 kA   |
| Category                                       | SPD TYPE 1CA                          | Rated current (UL)      | 1,500 A |
| Ambient temperature (operational), min. -40 °C |                                       | Certificate No. (cURus) | E354261 |
| Voltage type                                   | DC                                    |                         |         |

## General data

|                           |                                                   |                    |                                       |
|---------------------------|---------------------------------------------------|--------------------|---------------------------------------|
| Colour                    | orange                                            | Operating altitude | < 4,000 m, see operating instructions |
| Optical function display  | green = OK; red = arrester is defective - replace | Protection degree  | IP20                                  |
| UL 94 flammability rating | V-0                                               | Version            | Spare arrester                        |

## Insulation coordination acc. to EN 50178

|                        |                                       |                    |   |
|------------------------|---------------------------------------|--------------------|---|
| Operating altitude     | < 4,000 m, see operating instructions | Pollution severity | 2 |
| Surge voltage category | III                                   |                    |   |

## Photovoltaic technical data

|                                                    |                                        |                                                      |               |
|----------------------------------------------------|----------------------------------------|------------------------------------------------------|---------------|
| Discharge current $I_n$ (8/20 $\mu$ s)             | 20 kA                                  | Discharge current, max. (8/20 $\mu$ s)               | 30 kA         |
| Lightning test current $I_{imp}$ (10/350 $\mu$ s)  | 5 kA                                   | PV system voltage, max. $U_{cpv}$                    | 1,500 V       |
| Protection level $U_p$ mode (+/-, -/PE, +/- PE)    | $\leq 5,0$ kV                          | Protection level $U_p$ mode (+/-)                    | $\leq 5,0$ kV |
| Protection level $U_p$ mode (-/PE)                 | $\leq 5,0$ kV                          | Protection level $U_p$ mode (+/PE)                   | $\leq 5,0$ kV |
| Requirements class                                 | Type I/II                              | Short-circuit current $I_{SCPv}$                     | 11,000 A      |
| Standards                                          | EN 50539-11:2013+A1:2014, UL 1449 Ed.4 | Standby power consumption $P_C$                      | < 0.2 W       |
| Total discharge current $I_{total}$ (8/20 $\mu$ s) | 40 kA                                  | Total discharge current $I_{total}$ (10/350 $\mu$ s) | 10 kA         |

## Rated data IEC / EN

|                                                   |                                        |                          |            |
|---------------------------------------------------|----------------------------------------|--------------------------|------------|
| Discharge current, max. (8/20 $\mu$ s)            | 30 kA                                  | Leakage current at $U_N$ | 30 $\mu$ A |
| Lightning test current $I_{imp}$ (10/350 $\mu$ s) | 5 kA                                   | Number of poles          | 1          |
| Response time                                     | $\leq 25$ ns                           | SPD type                 | T1, T2     |
| Standards                                         | EN 50539-11:2013+A1:2014, UL 1449 Ed.4 | Voltage type             | DC         |

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|                    |           |
|--------------------|-----------|
| Type of connection | pluggable |
|--------------------|-----------|

**Ratings IECEx/ATEX/cUL**

|                         |         |
|-------------------------|---------|
| Certificate no. (cULus) | E354261 |
|-------------------------|---------|

**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 |

**Approvals**

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E354261 |

**Downloads**

|                                             |                                                             |
|---------------------------------------------|-------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EAC VPU SERIES</a><br><a href="#">CE_VPU_PV</a> |
|---------------------------------------------|-------------------------------------------------------------|

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# Drawings

## Electric symbol

