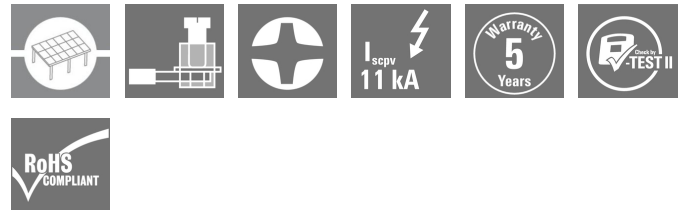


VPU PV II 3 1000

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

www.weidmueller.com

Product image



General ordering data

| | |
|-------------------|-------------------------------------|
| Version | Surge voltage arrester, Low voltage |
| Order No. | 2530550000 |
| Type | VPU PV II 3 1000 |
| GTIN (EAN) | 4050118540550 |
| Qty. | 1 Stück |
| Replacement parts | 2530660000 |

Erstellungs-Datum 06:54:54 CEST Ngày 26 tháng 4 năm 2023

Katalogstand 14.04.2023 / Technische Änderungen vorbehalten

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Technische Daten

Dimensions and weights

| | | | |
|-----------------------------|-------|-----------------|------------|
| Depth | 70 mm | Depth (inches) | 2,756 inch |
| Height | 96 mm | Height (inches) | 3,78 inch |
| Width | 54 mm | Width (inches) | 2,126 inch |
| Mounting dimension - height | 75 mm | Net weight | 386 g |

Temperatures

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

Rated data UL

| | | | |
|---|---------------------|--|---------|
| Ambient temperature (operational), max. 85 °C | Rated Voltage U_N | 1.100 V | |
| SCCR | 50 kA | I_n | 20 kA |
| Category | SPD TYPE 1CA | Ambient temperature (operational), min. -40 °C | |
| Certificate No. (cURus) | E354261 | VPR (DC+/DC-) | 2.500 V |
| Voltage type | DC | | |

General data

| | | | |
|---------------------------|---------------|--------------------------|---|
| Colour | black, orange | Design | Installation housing; 3TE, Insta IP 20 |
| Operating altitude | ≤ 4000 m | Optical function display | green = OK; red = arrester is defective - replace |
| Protection degree | IP20 | Rail | TS 35 |
| UL 94 flammability rating | V-0 | | |

Insulation coordination acc. to EN 50178

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

Photovoltaic technical data

| | | | |
|--|-----------------------------------|---|---------------------------------------|
| Discharge current I_n (8/20 μs) | 20 kA | Discharge current, max. (8/20 μs) | 40 kA |
| Operating height in the grounded PV system | ≤ 2000 m | Operating height in ungrounded PV system | < 4,000 m, see operating instructions |
| PV system voltage, max. U_{cpv} | 1.100 V | Protection level U_p (+/-, -/PE, +/-PE) | ≤ 3.8 kV |
| Requirements class | Type II | Short-circuit current I_{SCPV} | 11.000 A |
| Standards | EN 61643-31, EN 50539-11, UL 1449 | Total discharge current I_{total} (8/20μs) | 50 kA |

Rated data IEC / EN

| | | | |
|-----------------------------------|---------|--------------------------|-----------------------------------|
| Discharge current, max. (8/20 μs) | 40 kA | Leakage current at U_n | 30 μA |
| Number of poles | 3 | Rated voltage (DC) | 1000 V |
| Response time | ≤ 25 ns | SPD type | T2 |
| Signalling contact | No | Standards | EN 61643-31, EN 50539-11, UL 1449 |
| Voltage type | DC | | |

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Technische Daten

Connection data

| | | | |
|--|---------------------|--|--------------------|
| Stripping length | 18 mm | Type of connection | Screw connection |
| Stripping length, rated connection | 18 mm | Tightening torque, min. | 2 Nm |
| Tightening torque, max. | 4 Nm | Clamping range, rated connection | 16 mm ² |
| Clamping range, min. | 1,5 mm ² | Clamping range, max. | 35 mm ² |
| Wire cross-section, solid, min. | 1,5 mm ² | Wire cross-section, solid, max. | 16 mm ² |
| Wire connection cross section, finely stranded, min. | 1,5 mm ² | Wire connection cross section, finely stranded, max. | 25 mm ² |
| Connection cross-section, stranded, min. | 1,5 mm ² | Connection cross-section, stranded, max. | 35 mm ² |

Guarantee

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

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000941 | ETIM 7.0 | EC000941 |
| ETIM 8.0 | 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 |

Approvals

Approvals



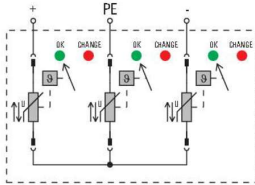
| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E354261 |

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | EAC VPU SERIES CE VPU PV |
| Engineering Data | CAD data – STEP |
| Tender specification | Ausschreibungstext DE Tenderspecification EN |
| User Documentation | Beipackzettel / Instruction sheet |
| Catalogues | Catalogues in PDF-format |

Zeichnungen

Electric symbol



Circuit diagram