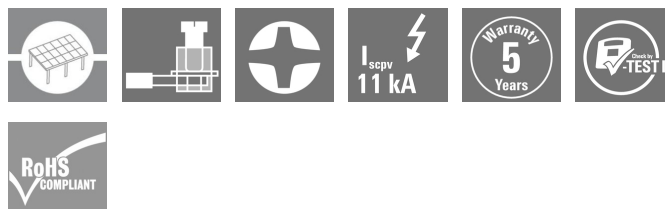


VPU PV II 3 R 1000**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****General ordering data**

| | |
|-------------------|--|
| Version | Surge voltage arrester, Low voltage, with remote contact |
| Order No. | 2530180000 |
| Type | VPU PV II 3 R 1000 |
| GTIN (EAN) | 4050118540512 |
| Qty. | 1 pc(s). |
| Replacement parts | 2530660000 1402570000 |

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Technical data

Dimensions and weights

| | | | |
|-----------------------------|--------|-----------------|------------|
| Depth | 70 mm | Depth (inches) | 2.756 inch |
| Height | 102 mm | Height (inches) | 4.016 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 |
| 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 | | |

Connection data, remote alert

| | | | |
|--|----------------------|--|---------------------|
| Connection type | PUSH IN | Cross-section for connected wire, solid core, max. | 1.5 mm ² |
| Cross-section for connected wire, solid core, min. | 0.14 mm ² | Stripping length | 8 mm |

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 | Version | with remote contact |

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} (8/20 μs) | 50 kA |

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Technical data

Rated data IEC / EN

| | | | |
|--|--|--------------------------|--------------------------------------|
| Discharge current, max. (8/20 μ s) | 40 kA | Leakage current at U_n | 30 μ A |
| Number of poles | 3 | Rated voltage (DC) | 1000 V |
| Response time | ≤ 25 ns | SPD type | T2 |
| Signalling contact | 250 V 1A 1CO, 125 V AC / 1 A, 48 V CC / 0.5 A | Standards | EN 61643-31, EN 50539-11, UL 1449 |
| Voltage type | DC | | |

Connection data

| | | | |
|---|--------------------|---|---------------------|
| Stripping length | 18 mm | Wire connection method | Screw connection |
| 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 | ETIM 9.0 | 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 |

Approvals

Approvals



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

Downloads

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

VPU PV II 3 R 1000

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

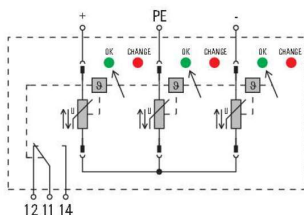
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Drawings

Electric symbol



Circuit diagram

VPU PV II 3 R 1000**Weidmüller Interface GmbH & Co. KG**

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D-32758 Detmold

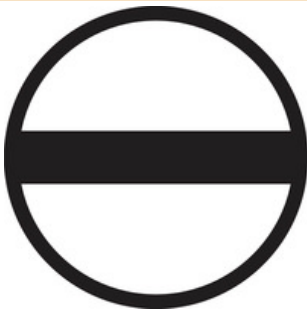
Germany

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. | 2749890000 | 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. | 2749850000 | Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade |
| GTIN (EAN) | 4050118897050 | thickness (A): 1 mm |
| Qty. | 1 pc(s). | |

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Germany

www.weidmueller.com**Accessories****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.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | ESG 6/15 K MC NE WS | Version |
| Order No. | 1880100000 | ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive |
| GTIN (EAN) | 4032248478781 | |
| Qty. | 200 pc(s). | |

VPU PV II 3 R 1000

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www.weidmueller.com

Replacement parts**Spare Arrester****General ordering data**

| | | |
|------------|----------------------------|--|
| Type | VPU PV II 0 1000 | Version |
| Order No. | 2530660000 | Surge voltage arrester, Low voltage, Accessories, Spare arrester |
| GTIN (EAN) | 4050118540871 | |
| Qty. | 9 pc(s). | |

VPU Series

Extensive accessories round off the product range

General ordering data

| | | |
|------------|----------------------------|-------------------------|
| Type | PLUG VPU | Version |
| Order No. | 1402570000 | VPU series, Accessories |
| GTIN (EAN) | 4050118204360 | |
| Qty. | 10 pc(s). | |