

**VPU PV I+II 3 R 1500 E****Weidmüller Interface GmbH & Co. KG**

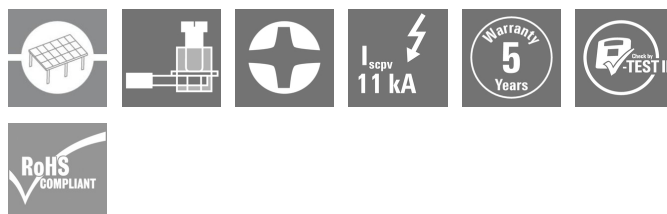
Klingenbergstraße 26

D-32758 Detmold

Germany

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

Similar to illustration

**General ordering data**

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| Version           | Surge voltage arrester, Low voltage, with remote contact |
| Order No.         | <a href="#">2795580000</a>                               |
| Type              | VPU PV I+II 3 R 1500 E                                   |
| GTIN (EAN)        | 4064675120179                                            |
| Qty.              | 1 pc(s).                                                 |
| Replacement parts | <a href="#">2795590000</a> <a href="#">2855300000</a>    |

## VPU PV I+II 3 R 1500 E

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## Technical data

## Dimensions and weights

|                             |          |                 |            |
|-----------------------------|----------|-----------------|------------|
| Depth                       | 70 mm    | Depth (inches)  | 2.756 inch |
| Height                      | 104.5 mm | Height (inches) | 4.114 inch |
| Width                       | 54 mm    | Width (inches)  | 2.126 inch |
| Mounting dimension - height | 75 mm    | Net weight      | 470 g      |

## Temperatures

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

## Rated data UL

|          |              |
|----------|--------------|
| Category | SPD TYPE 1CA |
|----------|--------------|

## Connection data, remote alert

|                                                    |                      |                                                    |                     |
|----------------------------------------------------|----------------------|----------------------------------------------------|---------------------|
| Connection type                                    | PUSH IN              | Cross-section for connected wire, solid core, max. | 1.5 mm <sup>2</sup> |
| Cross-section for connected wire, solid core, min. | 0.25 mm <sup>2</sup> | Stripping length                                   | 12 mm               |

## General data

|                 |               |                   |      |
|-----------------|---------------|-------------------|------|
| Number of poles | 3             | Protection degree | IP20 |
| Colour          | black, 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 system             | <4,000 m, see operating instructions |
| PV system voltage, max. $U_{cpv}$                  | 1,500 V       | Protection level $U_p$ (+/-, -/PE, +/PE)             | $\leq 5,0$ kV                        |
| Short-circuit current $I_{SCP}$                    | 11,000 A      | Standards                                            | EN 61643-31, EN 50539-11             |
| Total discharge current $I_{total}$ (8/20 $\mu$ s) | 40 kA         | Total discharge current $I_{total}$ (10/350 $\mu$ s) | 5 kA                                 |

## Rated data IEC / EN

|                                                   |                                                 |                                     |                          |
|---------------------------------------------------|-------------------------------------------------|-------------------------------------|--------------------------|
| Integrated back-up fuse                           | No                                              | Leakage current at $U_n$            | 30 $\mu$ A               |
| Lightning test current $I_{imp}$ (10/350 $\mu$ s) | 5 kA                                            | Max. continuous voltage, $U_c$ (DC) | 1500 V                   |
| Number of poles                                   | 3                                               | Rated voltage (DC)                  | 1500 V                   |
| Response time                                     | $\leq 25$ ns                                    | SPD type                            | T1, T2                   |
| Signalling contact                                | 250 V 1 A 1 NC, 125 V AC / 1 A, 48 V CC / 0.5 A | Standards                           | EN 61643-31, EN 50539-11 |
| Voltage type                                      | DC                                              |                                     |                          |

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## Technical data

## 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.                              | 4.5 Nm              | Clamping range, rated connection                     | 16 mm <sup>2</sup> |
| Clamping range, min.                                 | 1.5 mm <sup>2</sup> | Clamping range, max.                                 | 35 mm <sup>2</sup> |
| 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 |
|---------------|---------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| 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> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                         |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                |

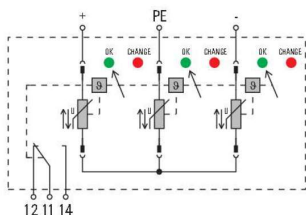
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# Drawings

## Electric symbol



Circuit diagram

## VPU PV I+II 3 R 1500 E

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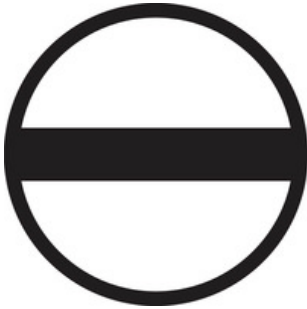
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## Accessories

## 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).                   |                                                                   |

## 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.  | <a href="#">1880100000</a> | ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive |
| GTIN (EAN) | 4032248478781              |                                                                  |
| Qty.       | 200 pc(s).                 |                                                                  |

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[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).                   |                                                                   |

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

|            |                            |                                                                  |
|------------|----------------------------|------------------------------------------------------------------|
| Type       | VPU PV I+II 0 1500 E       | Version                                                          |
| Order No.  | <a href="#">2795590000</a> | Surge voltage arrester, Low voltage, Accessories, Spare arrester |
| GTIN (EAN) | 4064675120193              |                                                                  |
| Qty.       | 9 pc(s).                   |                                                                  |

**VPU Series**

Extensive accessories round off the product range

**General ordering data**

|            |                            |
|------------|----------------------------|
| Type       | PLUG VPU AC                |
| Order No.  | <a href="#">2855300000</a> |
| GTIN (EAN) | 4064675533283              |
| Qty.       | 10 pc(s).                  |