

## VPU AC II US 0 240/50

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

www.weidmueller.com



Abb.ähnlich

- compact SPD to install in application by NFPA 79
- no additional overcurrent protection devices needed
- short circuit current rating (SCCR) up to 200 kA
- tested according to IEC/EN 61643-11 and UL 1449 4.Ed

### General ordering data

|            |  |
|------------|--|
| Version    | Spare arrester, Surge protection, Single-phase, TN |
| Order No.  | <a href="#">2730530000</a>                         |
| Type       | VPU AC II US 0 240/50                              |
| GTIN (EAN) | 4050118807578                                      |
| Qty.       | 1 items  |

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## Technical data

## Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate No. (cURus) | E35426 10000               |
| Certificate no. (cULus) | E35426 1                   |

## Dimensions and weights

|            |       |                 |             |
|------------|-------|-----------------|-------------|
| Depth      | 64 mm | Depth (inches)  | 2.5197 inch |
| Height     | 45 mm | Height (inches) | 1.7716 inch |
| Width      | 18 mm | Width (inches)  | 0.7087 inch |
| Net weight | 59 g  |                 |             |

## Temperatures

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

## Environmental Product Compliance

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

## Rated data UL

|   |  |       |
|---|--|-------|
| Ambient temperature (operational), max. 85 °C | Rated Voltage UN                               | 240 V |
| VPR (N-PE)                                    | MCOV (L/N-PE)                                  | 300 V |
| SCCR  | In   | 20 kA |
| Category                                      | Ambient temperature (operational), min. -40 °C |       |
| Certificate No. (cURus)                       | VPR (L-PE)                                     | 900 V |
| Voltage type                                  | AC   |       |

## Connection data, remote alert

|                 |         |
|-----------------|---------|
| Connection type | PUSH IN |
|-----------------|---------|

## General data

|                           |   |                    |                           |
|---------------------------|---|--------------------|---------------------------|
| Optical function display  | green = OK; red = arrester is defective - replace | Segment            | Power distribution        |
| Version                   | Surge protection                                  | Design             | Installation housing; 1TE |
| UL 94 flammability rating | V-0   | Colour             | orange                    |
| Protection degree         | IP20 in installed state                           | Operating altitude | ≤ 4000 m                  |

## Insulation coordination acc. to EN 50178

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

## Rated data IEC / EN

|                    |    |                       |        |
|--------------------|----|-----------------------|--------|
| Number of poles    | 1  | Leakage current at Un | 0.3 mA |
| Signalling contact | No | Rated voltage (AC)    | 240 V  |

Creation date 18.03.2026 06:08:59 MEZ

Catalogue status / Drawings

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## Technical data

|   |                  |  |   |
|---|------------------|--|---|
| Low voltage network                               | Single-phase, TN | Voltage type   | AC  |
| Temporary surge voltage (over-voltage) - TOV      | 337 V            | Fuse protection  | No Fuse necessary ≤315 A gG, 250 A gG @50 kA<br>Isc cr, 315 A gG @25 kA<br>Isc cr |
| Response time / fallback time                     | ≤ 25 ns          | Frequency range, max.                                      | 60 Hz   |
| Frequency range, min.                             | 50 Hz            | Standards  | IEC61643-11,<br>EN61643-11, UL 1449,<br>NFPA 79, IEC 61643-11,<br>EN 61643-11     |
| Requirements class, acc. to EN 61643-11           | T2, T3           | Requirements category acc. to IEC 61643-11                 | Type II   |
| Max. continuous voltage, U <sub>c</sub> (AC)      | 300 V            | Energy coordination (≤10 m)                                | Type II, Type III   |
| Discharge current I <sub>n</sub> (8/20μs) wire-PE | 20 kA            | Discharge current I <sub>max</sub> (8/20μs) wire-PE        | 50 kA   |
| SPD type  | T2               | Protection level U <sub>p</sub> at IN (L/N-PE)             | ≤ 1500 V  |
| Short-circuit current rating I <sub>SCCR</sub>    | 50 kA            | Follow-on current extinguishing capability I <sub>fi</sub> | Follow current need not be taken into account                                     |
| Integrated back-up fuse                           | No               |  |   |

### Connection data

|                                 |                    |  |                    |
|---------------------------------|--------------------|--|--------------------|
| Wire connection method          | Plug-in connection | Type of connection                                   | Screw connection   |
| Wire cross-section, solid, max. | 35 mm <sup>2</sup> | Wire connection cross section, finely stranded, max. | 25 mm <sup>2</sup> |

### Electrical data

|              |    |
|--------------|----|
| Voltage type | AC |
|--------------|----|

### General data

|                 |        |                   |                         |
|-----------------|--------|-------------------|-------------------------|
| Number of poles | 1      | Protection degree | IP20 in installed state |
| Colour          | orange |                   |                         |

### Ratings IECEx/ATEX/cUL

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

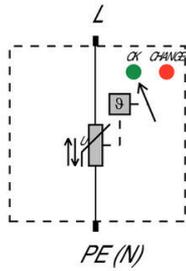
### Guarantee

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

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000941    | ETIM 9.0    | EC000941    |
| ETIM 10.0   | EC000941    | ECLASS 14.0 | 27-17-12-02 |
| ECLASS 15.0 | 27-17-12-02 |             |             |

Electric symbol



Schematic circuit diagram

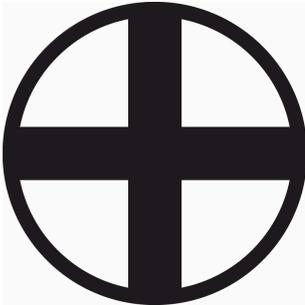
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## Accessories

## 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 ST                       |   |  |

## 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 thickness (A): 1 mm |  |
| GTIN (EAN) | 4050118897050              |   |  |
| Qty.       | 1 ST                       |   |  |

## VPU Series



Extensive accessories round off the product range

## General ordering data

|            |                            |         |  |
|------------|----------------------------|---------|--|
| Type       | VPU LOCKING CLIP S         | Version |  |
| Order No.  | <a href="#">2735080000</a> |         |  |
| GTIN (EAN) | 4050118826050              |         |  |
| Qty.       | 10 ST                      |         |  |