

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. | 2730530000 |
| Type | VPU AC II US 0 240/50 |
| GTIN (EAN) | 4050118807578 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|-------|-----------------|------------|
| Depth | 64 mm | Depth (inches) | 2.52 inch |
| Height | 45 mm | Height (inches) | 1.772 inch |
| Width | 18 mm | Width (inches) | 0.709 inch |
| Net weight | 59 g | | |

Temperatures

| | | | |
|---------------------|-----------------------|-----------------------|----------------|
| Storage temperature | -40 °C...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 | 240 V |
| VPR (N-PE) | 900 V | MCOV (L/N-PE) | 300 V |
| SCCR | 150 kA | I_n | 20 kA |
| Category | SPD TYPE 1 | Ambient temperature (operational), min. -40 °C | |
| Certificate No. (cURus) | E35426 10000 | VPR (L-PE) | 900 V |
| Voltage type | AC | | |

General data

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

Insulation coordination acc. to EN 50178

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

Rated data IEC / EN

| | | | |
|--|--|---|---|
| Discharge current I_{max} (8/20 μ s) wire-PE | 50 kA | Discharge current I_n (8/20 μ s) wire-PE | 20 kA |
| Energy coordination (≤ 10 m) | Type II, Type III | Follow-on current extinguishing capability I_{fi} | Follow current need not be taken into account |
| Frequency range, max. | 60 Hz | Frequency range, min. | 50 Hz |
| Fuse | No Fuse necessary ≤ 315 A gG, 250 A gG @50 kA I_{sc} , 315 A gG @25 kA I_{sc} | Leakage current at U_n | 0.3 mA |
| Low voltage network | Single-phase, TN | Max. continuous voltage, U_c (AC) | 300 V |
| Number of poles | 1 | Rated voltage (AC) | 240 V |
| Requirements category acc. to IEC 61643-11 | Type II | Requirements class, acc. to EN 61643-11 | T2 |
| Response time | ≤ 25 ns | SPD type | T2 |
| Short-circuit current rating I_{SCCR} | 50 kA | Signalling contact | No |
| Standards | IEC61643-11, EN61643-11, UL 1449, NFPA 79 | Temporary surge voltage (over-voltage) - TOV | 337 V |
| Voltage type | AC | | |

Connection data

| | |
|------------------------|--------------------|
| Wire connection method | Plug-in connection |
|------------------------|--------------------|

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Technical data

Electrical data

Voltage type AC

Ratings IECEx/ATEX/cUL

Certificate no. (cULus) E354261

Guarantee

Time interval 5 years

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 7.0 | EC000941 | ETIM 8.0 | EC000941 |
| ETIM 9.0 | EC000941 | ETIM 10.0 | EC000941 |
| ECLASS 12.0 | 27-17-12-02 | ECLASS 13.0 | 27-17-12-02 |
| ECLASS 14.0 | 27-17-12-02 | ECLASS 15.0 | 27-17-12-02 |

Approvals

Approvals



Approvals MAMID https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319263/-T1z1mm-S800/

ROHS Conform

UL File Number Search UL Website

Certificate No. (cURus) E3542610000

Certificate no. (cULus) E354261

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption

REACH SVHC No SVHC above 0.1 wt%

Downloads

Approval/Certificate/Document of Conformity [EU Konformitätserklärung / EU Declaration of Conformity](#)
[UK Konformitätserklärung / UK Declaration of Conformity](#)

User Documentation [Beipackzettel / Instruction sheet](#)

Catalogues [Catalogues in PDF-format](#)

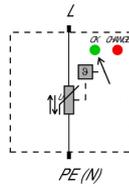
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Drawings

Electric symbol



Schematic circuit diagram

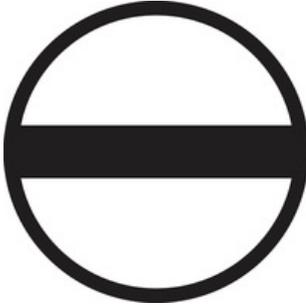
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Accessories

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

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). | |

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Accessories

VPU Series



Extensive accessories round off the product range

General ordering data

| | |
|------------|----------------------------|
| Type | VPU LOCKING CLIP S |
| Order No. | 2735080000 |
| GTIN (EAN) | 4050118826050 |
| Qty. | 10 pc(s). |