

VPU AC II F 0 300/40**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Abb.ähnlich

Weidmüller VPU I (Type I), VPU II (Type II) and VPU III (Type III) surge protection products effectively reduce the interference coupling that can occur due to transient surge voltages, even significantly below the limits prescribed by insulation co-ordination according to EN 60664-3 / DIN VDE 0110-3. This means that the whole installation is exposed to fewer malfunctions. The arresters are co-ordinated using technical means. This means that decoupling between Types I, II and III is unnecessary. The arresters are tested according to product standard IEC 61643-11 / DIN EN 61643-11 and can be installed in systems according to IEC 61643-12 / VDE 0675-6-12 and IEC 62305-4 / VDE 0185-4. This lightning and surge protection device is suited for installation in power supply systems. Weidmüller offers different products depending on the particular mains network type and voltage level. The VPU AC II F series is characterised by a fuse integrated in the arrester. These arresters do not require a fuse.

General ordering data

| | |
|------------|-------------------------------------|
| Version | Surge voltage arrester, Low voltage |
| Order No. | 2807520000 |
| Type | VPU AC II F 0 300/40 |
| GTIN (EAN) | 4064675275541 |
| 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 | 69 g | | |

Temperatures

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

General data

| | | | |
|---------------------------|-------------------------|--------------------------|---|
| Colour | orange | Design | Installation housing; 1TE, Insta IP 20 |
| Operating altitude | ≤ 4000 m | Optical function display | green = OK; red = arrester is defective - replace |
| Protection degree | IP20 in installed state | Segment | Power distribution |
| UL 94 flammability rating | V-0 | | |

Insulation coordination acc. to EN 50178

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

Rated data IEC / EN

| | | | |
|---|---|--|------------------------------------|
| Combined pulse U_{OC} | 6 kV | Discharge current I_{max} (8/20μs) wire-PE | 40 kA |
| Discharge current I_n (8/20μs) 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 | Not required, internally available |
| Leakage current at U_n | 0.3 mA | Mains voltage | 230 V / 400 V |
| Max. continuous voltage, U_c (AC) | 300 V | Number of poles | 1 |
| Protection level U_p at I_N (L/N-PE) | ≤ 1.5 kV | Rated voltage (AC) | 230 V |
| Requirements category acc. to IEC 61643-11 | Type II, Type III | Requirements class, acc. to EN 61643-11 | T2, T3 |
| Response time | ≤ 25 ns | SPD type | T2, T3 |
| Short-circuit current rating I_{SCCR} | 100 kA | Standards | IEC61643-11, EN61643-11 |
| Temporary surge voltage (over-voltage) - TOV | 337 V | Voltage type | AC |

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 |

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Product information

If F1 > 63A gG, then the integrated backup fuse always operates before F1

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity

[EU Konformitätserklärung / EU Declaration of Conformity](#)

User Documentation

[Beipackzettel / Instruction Sheet](#)

Catalogues

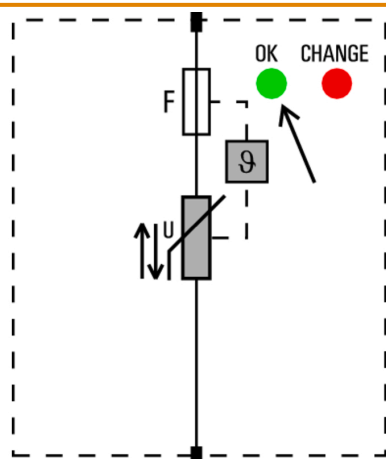
[Catalogues in PDF-format](#)

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www.weidmueller.com**Drawings****Electric symbol**

Schematic circuit diagram

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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). | |