

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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.	<a href="#">2807520000</a>
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
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## 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/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
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## 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 &gt; 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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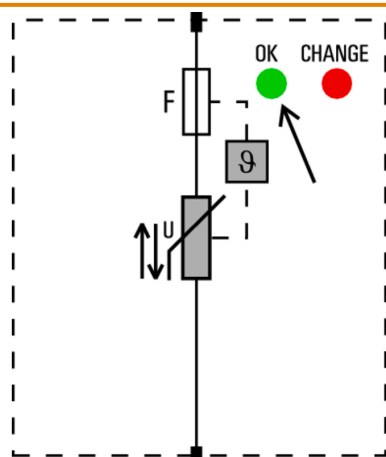
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# Drawings

## Electric symbol



Schematic circuit diagram

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

**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).	