

VPU AC I F 0 275/25**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 I 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, Surge protection
Order No.	2859350000
Type	VPU AC I F 0 275/25
GTIN (EAN)	4064675570578
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	80 mm	Depth (inches)	3.15 inch
Height	45 mm	Height (inches)	1.772 inch
Width	36 mm	Width (inches)	1.417 inch
Net weight	198 g		

Temperatures

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

General data

Colour	orange	Operating altitude	≤ 2000 m
Optical function display	green = OK; red = arrester is defective - replace	Protection degree	IP20 in installed state
Segment	Power distribution	Suitable for	Count-in installation (leakage current free)
UL 94 flammability rating	V-0	Version	Surge protection

Rated data IEC / EN

Discharge current I_{\max} (8/20μs) wire-PE	65 kA	Discharge current I_n (8/20μs) wire-PE	25 kA
Discharge current, I_{imp} (10/350 μs)	25 kA	Energy coordination (≤10 m)	Type I, Type II, Type III
Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Fuse	Not required	Lightning test current I_{imp} (10/350 μs) (L-PE)	25 kA
Mains voltage	230 V / 400 V	Max. continuous voltage, U_c (AC)	275 V
Number of poles	1	Rated voltage (AC)	240 V
Requirements category acc. to IEC 61643-11	Type I, Type II	Requirements class, acc. to EN 61643-11	T1, T2
Response time	<100 ns	Short-circuit current rating I_{SCCR}	100 kA
Standards	EN 61643-11, IEC 61643-11	Suitable for	Count-in installation (leakage current free)
Temporary surge voltage (over-voltage) - TOV	442 V	Voltage type	AC

Connection data

Wire connection method	Plug-in connection
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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

Important note

Product information	If F1 > 315A gG, then the integrated backup fuse always operates before F1
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Technical data

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity

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

User Documentation

[Beipackzettel / Instruction sheet](#)

Catalogues

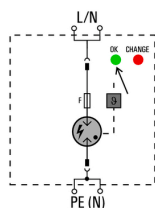
[Catalogues in PDF-format](#)

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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).	

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www.weidmueller.com**Accessories****VPU Busbar****General ordering data**

Type	VPU AC FB 16-6
Order No.	2904390000
GTIN (EAN)	4099986009806
Qty.	1 pc(s).

Type	VPU AC FB 16-2
Order No.	2904360000
GTIN (EAN)	4099986009769
Qty.	12 pc(s).

Type	VPU AC FB 16-4
Order No.	2904380000
GTIN (EAN)	4099986009790
Qty.	1 pc(s).

Type	VPU AC FB 16-7
Order No.	2904400000
GTIN (EAN)	4099986009813
Qty.	1 pc(s).

Type	VPU AC FB 16-3
Order No.	2904370000
GTIN (EAN)	4099986009783
Qty.	20 pc(s).