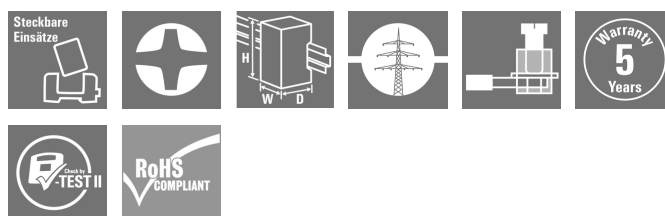


VPU AC I F 0 N-PE 275/25**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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.	3022930000
Type	VPU AC I F 0 N-PE 275/25
GTIN (EAN)	4099986942226
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	73 mm	Depth (inches)	2.874 inch
Height	45 mm	Height (inches)	1.772 inch
Width	36 mm	Width (inches)	1.417 inch
Net weight	95 g		

Temperatures

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

General data

Protection degree	IP20 in installed state	Colour	orange
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Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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Rated data IEC / EN

Discharge current $I_{\max}$ (8/20 μ s) wire-PE	65 kA	Discharge current I_n (8/20 μ s) N-PE	100 kA
Discharge current I_n (8/20 μ s) wire-PE	25 kA	Energy coordination (≤ 10 m)	Type III, Type I, Type II
Follow-on current extinguishing capability I_{fi}	Not available due for technical reasons	Frequency range, max.	60 Hz
Frequency range, min.	50 Hz	Fuse	Not required, internally available
Integrated back-up fuse	Yes	Lightning test current I_{imp} (10/350 μ s) (L-PE)	25 kA
Lightning test current I_{imp} (10/350 μ s)	25 kA	Mains voltage	230 V / 400 V
Max. continuous voltage, U_c (AC)	305 V	Protection level U_p at I_N (L/N-PE)	≤ 2.1 kV
Rated voltage (AC)	230 V	Requirements category acc. to IEC 61643-11	Type II, Type I
Requirements class, acc. to EN 61643-11	T1, T2, T3	Response time	< 100 ns
Short-circuit current rating I_{SCCR}	100 kA	Standards	IEC61643-11, EN61643-11
Temporary surge voltage (over-voltage) - TOV	442 V	Voltage type	AC

Connection data

Tightening torque, min.	2 Nm	Wire cross-section, solid, min.	1.5 mm ²
Wire connection cross section, finely stranded, min.	1.5 mm ²		

Electrical data

Voltage type	AC
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Guarantee

Time interval	5 years
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www.weidmueller.com**Technical data****Classifications**

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	EC000941	ETIM 9.0	EC000941
ETIM 10.0	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	ECLASS 14.0	27-17-90-90
ECLASS 15.0	27-17-90-90		

Environmental Product Compliance

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

Important note

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

ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	EU_Konformitätserklärung / EU_Declaration_of_Conformity
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format