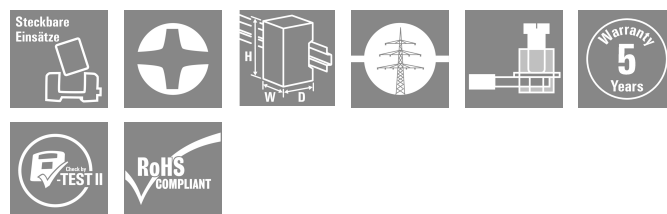


VPU AC I F 0 275/25
Weidmüller Interface GmbH & Co. KG

 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, Single-phase, TN
Order No.	2859350000
Type	VPU AC I F 0 275/25
GTIN (EAN)	4064675570578
Qty.	1 items

VPU AC I F 0 275/25

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS

Conform

Dimensions and weights

Depth	80 mm	Depth (inches)	3.1496 inch
Height	45 mm	Height (inches)	1.7716 inch
Width	36 mm	Width (inches)	1.4173 inch
Net weight	198 g		

Temperatures

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

Environmental Product Compliance

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

General data

Optical function display	green = OK; red = arrester is defective - replace	Segment	Power distribution
Version	Surge protection	Design	Installation housing; 2TE
UL 94 flammability rating	V-0	Colour	orange
Suitable for	Count-in installation (leakage current free)	Protection degree	IP20 in installed state
Operating altitude	≤ 2000 m		

Rated data IEC / EN

Number of poles	1	Rated voltage (AC)	240 V
Low voltage network	Single-phase, TN	Voltage type	AC
Temporary surge voltage (over-voltage) - TOV	442 V	Fuse protection	internally available
Response time / fallback time	<100 ns	Frequency range, max.	60 Hz
Frequency range, min.	50 Hz	Suitable for	Count-in installation (leakage current free)
Standards	EN 61643-11, IEC 61643-11	Lightning test current Iimp (10/350 µs) (L-PE)	25 kA
Lightning test current, Iimp (10/350 µs) (N-PE)	25 kA	Requirements class, acc. to EN 61643-11	T1, T2
Requirements category acc. to IEC 61643-11	Type I, Type II	Max. continuous voltage, Uc (AC)	275 V
Mains voltage	230 V / 400 V	Energy coordination (≤10 m)	Type I, Type II, Type III
Discharge current In (8/20µs) wire-PE	25 kA	Discharge current Imax (8/20µs) wire-PE	65 kA
Protection level Up at IN (L/N-PE)	≤ 1.5 kV	Short-circuit current rating ISCCR	100 kA
Integrated back-up fuse	Yes		

VPU AC I F 0 275/25

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Technical data

Connection data

Wire connection method	Plug-in connection	Wire cross-section, solid, min.	1.5 mm ²
Wire cross-section, solid, max.	35 mm ²	Wire connection cross section, finely stranded, max.	25 mm ²

Electrical data

Voltage type	AC
--------------	----

General data

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

Important note

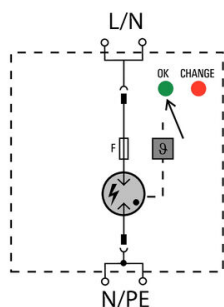
Product information	If F1 > 315A gG, then the integrated backup fuse always operates before F1
Notes	Additional tests for 100kA I _{sc} have been passed without certification.

Classifications

ETIM 8.0	EC001457	ETIM 9.0	EC001457
ETIM 10.0	EC001457	ECLASS 14.0	27-17-12-04
ECLASS 15.0	27-17-12-04		

Drawings

Electric symbol



Schematic circuit diagram