

VPU AC II US 0 400/50
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

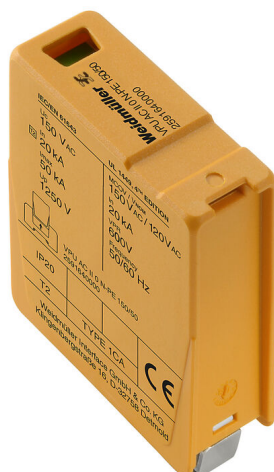
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Abb.ähnlich

- compact SPD to install in application by NFPA 79
- no additional overcurrent protection devices needed
- short circuit current rating (SCCR) up to 200 kA
- tested according to IEC/EN 61643-11 and UL 1449 4.Ed

General ordering data

Version	Spare arrester, Surge protection, Single-phase, TN
Order No.	2730690000
Type	VPU AC II US 0 400/50
GTIN (EAN)	4050118807417
Qty.	1 items

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Technical data

Approvals

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ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E3542610000
Certificate no. (cULus)	E354261

Dimensions and weights

Depth	64 mm	Depth (inches)	2.5197 inch
Height	45 mm	Height (inches)	1.7716 inch
Width	18 mm	Width (inches)	0.7087 inch
Net weight	70 g		

Temperatures

Storage temperature	-40 °C...85 °C	Ambient 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%

Rated data UL

Ambient temperature (operational), max. 85 °C	Rated Voltage UN	400 V
VPR (N-PE)	MCOV (L/N-PE)	480 V
SCCR	In	20 kA
Category	SPD TYPE 1	Ambient temperature (operational), min. -40 °C
Certificate No. (cURus)	VPR (L-PE)	1500 V
Voltage type	AC	

Connection data, remote alert

Connection type	PUSH IN
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General data

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

Insulation coordination acc. to EN 50178

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

Number of poles	1	Leakage current at Un	0.3 mA
Signalling contact	No	Rated voltage (AC)	400 V

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Low voltage network	Single-phase, TN	Voltage type	AC
Temporary surge voltage (over-voltage) - TOV	581 V	Fuse protection	No Fuse necessary ≤315 A gG, 250 A gG @50 kA Isccr, 315 A gG @25 kA Isccr
Response time / fallback time	≤ 25 ns	Frequency range, max.	60 Hz
Frequency range, min.	50 Hz	Standards	IEC 61643-11, EN 61643-11, UL 1449, NFPA 79, IEC 61643-11, EN 61643-11
Requirements class, acc. to EN 61643-11	T2, T3	Requirements category acc. to IEC 61643-11	Type II
Max. continuous voltage, U _c (AC)	480 V	Energy coordination (≤10 m)	Type II, Type III
Discharge current I _n (8/20μs) wire-PE	20 kA	Discharge current I _{max} (8/20μs) wire-PE	50 kA
SPD type	T2	Protection level Up at IN (L/N-PE)	≤ 2.3 kV
Short-circuit current rating ISCCR	50 kA	Follow-on current extinguishing capability I _{fi}	Follow current need not be taken into account
Integrated back-up fuse	No		

Connection data

Wire connection method	Plug-in connection	Type of connection	Screw connection
Wire cross-section, solid, max.	35 mm ²	Wire connection cross section, finely stranded, max.	25 mm ²

Electrical data

Voltage type	AC
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General data

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

Ratings IECEx/ATEX/cUL

Certificate no. (cULus)	E354261
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Guarantee

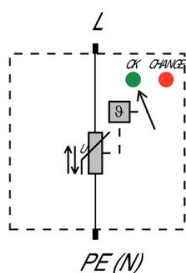
Time interval	5 years
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Classifications

ETIM 8.0	EC000941	ETIM 9.0	EC000941
ETIM 10.0	EC000941	ECLASS 14.0	27-17-12-02
ECLASS 15.0	27-17-12-02		

Drawings

Electric symbol



Schematic circuit diagram