

VPU AC II US 0 120/50

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
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 Germany

www.weidmueller.com



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, TN, Single-phase
Order No.	2730440000
Type	VPU AC II US 0 120/50
GTIN (EAN)	4050118807660
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E35426 10000
Certificate no. (cULus)	E35426 1

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	56 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	120 V
VPR (N-PE)	600 V	MCOV (L/N-PE)	150 V
SCCR	200 kA	In	20 kA
Category	SPD TYPE 1	Ambient temperature (operational), min.	-40 °C
Certificate No. (cURus)	E35426 10000	VPR (L-PE)	600 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)	120 V

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Low voltage network	TN, Single-phase	Protection level Up at IN (N-PE)	≤ 1.25 kV
Voltage type	AC	Temporary surge voltage (over-voltage) - TOV	229 V
Fuse protection	No Fuse necessary ≤315 A gG, 250 A gG @50 kA I _{sc} cr, 315 A gG @25 kA I _{sc} cr	Response time / fallback time	≤ 25 ns
Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Standards	IEC61643-11, EN61643-11, 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)	150 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)	≤ 1.25 kV	Short-circuit current rating I _{SCCR}	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		

Electric symbol



Schematic circuit diagram