

VPU AC II US 1+1 R 240/50 Y

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

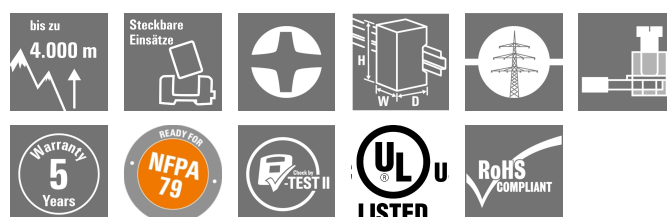


Abb.ähnlich

- 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	Surge voltage arrester, Low voltage, Surge protection, with remote contact, Single-phase, TN, TT, IT with N, IT without N
Order No.	2736460000
Type	VPU AC II US 1+1 R 240/50 Y
GTIN (EAN)	4050118825732
Qty.	1 items

VPU AC II US 1+1 R 240/50 Y

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E354261

Dimensions and weights

Depth	68 mm	Depth (inches)	2.6772 inch
Depth including DIN rail	76 mm	Height	104.5 mm
Height (inches)	4.1142 inch	Width	36 mm
Width (inches)	1.4173 inch	Mounting dimension - height	75 mm
Net weight	244 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%

Rated data UL

Ambient temperature (operational), max. 85 °C	Rated Voltage UN	240 V
VPR (N-PE) 1000 V	MCOV (L-PE)	300 V
MCOV (N-PE) 305 V	SCCR	150 kA
In 20 kA	Category	SPD TYPE 1
Connection cross-section AWG, min. AWG 14	Connection cross-section AWG, max. AWG 6	
Ambient temperature (operational), min. -40 °C	MODE	all modes
VPR (L-N) 900 V	VPR (L-PE)	900 V
Voltage type AC	UL Energy Networks	Split-Phase

Connection data, remote alert

Cross-section for connected wire, solid core, min. 0.25 mm ²	Stripping length	12 mm
Cross-section for connected wire, solid core, max. (AWG) AWG 10	Connection type	PUSH IN
Cross-section for connected wire, solid core, max. 1.5 mm ²	Cross-section for connected wire, solid core, min. (AWG)	AWG 30

General data

Optical function display	green = ok, yellow = warning, red = arrester is defective - replace.	Segment	Power distribution
Version	Surge protection, with remote contact	Design	Installation housing; 2TE, Insta IP 20
UL 94 flammability rating	V-0	Colour	orange, black, blue
Protection degree	IP20 in installed state	Mounting rail	TS 35

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Technical data

Operating altitude ≤ 4000 m

Insulation coordination acc. to EN 50178

Surge voltage category III Pollution severity 2

Rated data IEC / EN

Number of poles	2	Leakage current at U_n	1 μ A
Signalling contact	250 V 1A 1CO	Rated voltage (AC)	240 V
Low voltage network	Single-phase, TN, TT, IT with N, IT without N	Protection level Up at IN (N-PE)	≤ 1.5 kV
Voltage type	AC	Temporary surge voltage (over-voltage) - TOV	337 V
Fuse protection	No Fuse necessary ≤ 160 A gG	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	Requirements class, acc. to EN 61643-11	T2
Requirements category acc. to IEC 61643-11	Type II	Max. continuous voltage, U_c (AC)	300 V
Max. continuous voltage, U_c (N-PE)	305 V	Mains voltage	240 V
Discharge current I_{max} (8/20 μ s) N-PE	65 kA	Discharge current I_n (8/20 μ s) N-PE	40 kA
Energy coordination (≤ 10 m)	Type II, Type III	Discharge current I_n (8/20 μ s) wire-PE	20 kA
Discharge current I_{max} (8/20 μ s) wire-PE	50 kA	SPD type	T2
Protection level Up at IN (L/N-PE)	≤ 1.3 kV	Short-circuit current rating ISCCR	50 kA
Follow-on current extinguishing capability I_{fi}	Follow current need not be taken into account		

Connection data

Stripping length	18 mm	Wire connection method	Screw connection
Type of connection	Screw connection	Stripping length, rated connection	18 mm
Tightening torque, min.	3 Nm	Tightening torque, max.	4.5 Nm
Clamping range, rated connection	16 mm ²	Clamping range, min.	1.5 mm ²
Clamping range, max.	35 mm ²	Wire connection cross section AWG, min.	AWG 16
Wire connection cross section AWG, max.	AWG 2	Wire cross-section, solid, min.	1.5 mm ²
Wire cross-section, solid, max.	35 mm ²	Wire connection cross section, finely stranded, min.	4 mm ²
Wire connection cross section, finely stranded, max.	35 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	2.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	35 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
Connection cross-section, stranded, max.	35 mm ²		

Electrical data

Voltage type AC

General data

Number of poles	2	Protection degree	IP20 in installed state
Colour	orange, black, blue		

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www.weidmueller.com**Technical data****Ratings IECEx/ATEX/cUL**

Certificate no. (cULus)	E354261
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Guarantee

Time interval	5 years
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Important note

Product information	Only applicable to IT power systems where the earth on the distribution transformer is interconnected with the earth on the consumer side (RE=RA in Figure 44.A1 of IEC 60634-4-44:2018).
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Classifications

ETIM 7.0	EC000941	ETIM 8.0	EC000941
ETIM 9.0	EC000941	ETIM 10.0	EC000941
ECLASS 12.0	27-17-12-02	ECLASS 13.0	27-17-12-02
ECLASS 14.0	27-17-12-02	ECLASS 15.0	27-17-12-02

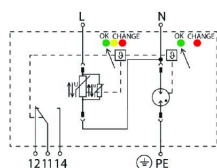
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Drawings

Electric symbol



Schematic circuit diagram

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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

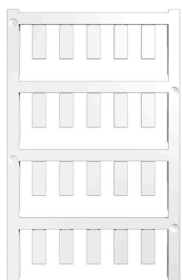
Type	SDIK PH1 X 80	Version
Order No.	2749890000	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1
GTIN (EAN)	4050118897098	
Qty.	1 ST	

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 ST	

Blank


ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc. Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

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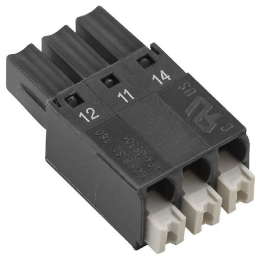
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Accessories

General ordering data

Type	ESG 6/15 K MC NE WS	Version
Order No.	1880100000	ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive
GTIN (EAN)	4032248478781	
Qty.	200 ST	

VPU Series

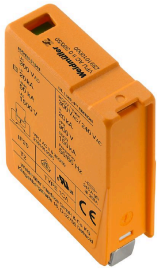


Extensive accessories round off the product range

General ordering data

Type	VPU AC EXTENDER	Version
Order No.	3123500000	
GTIN (EAN)	4099987270175	
Qty.	8 ST	

Spare arrester



- 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

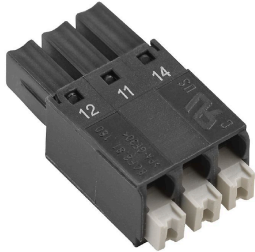
Type	VPU AC II US 0 240/50 Y	Version
Order No.	2736500000	Spare arrester, Surge protection, Single-phase, TN
GTIN (EAN)	4050118825497	
Qty.	1 ST	
Type	VPU AC II US 0 N-PE 240...	Version
Order No.	2736520000	Spare arrester, Surge protection, TT nur für N-PE
GTIN (EAN)	4050118825480	
Qty.	1 ST	

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www.weidmueller.com**Accessories****VPU Series**

Extensive accessories round off the product range

General ordering data

Type	VPU LOCKING CLIP S	Version
Order No.	2735080000	
GTIN (EAN)	4050118826050	
Qty.	10 ST	
Type	PLUG VPU AC	Version
Order No.	2855300000	
GTIN (EAN)	4064675533283	
Qty.	10 ST	