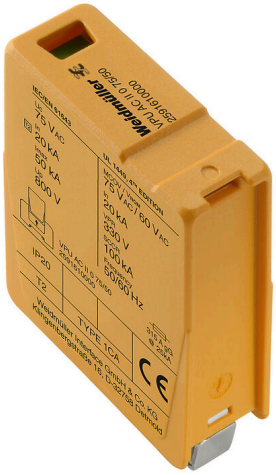
Data sheet

VPU AC II 0 75/50

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

www.weidmueller.com



In the event of a defective arrester, you can easily reorder this spare arrester, replace the defective arrester and thus restore protection.

General ordering data

Version	Spare arrester, Surge protection, Single-phase, TN
Order No.	2591610000
Type	VPU AC II 0 75/50
GTIN (EAN)	4050118599336
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E3542610000

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	49 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	60 V
VPR (L/N-PE)	330 V	MCOV (L/N-PE)	75 V
SCCR	100 kA	In	20 kA
Category	SPD TYPE 1CA	Ambient temperature (operational), min.	-40 °C
Certificate No. (cURus)	E3542610000	VPR (L-PE)	330 V
Voltage type	AC		

Connection data, remote alert

Connection type	PUSH IN

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	≤ 2000 m, ≤ 4000 m

Rated data IEC / EN

Number of poles	1	Combined pulse UOC	6 kV
Leakage current at Un	0.3 mA	Signalling contact	No
Rated voltage (AC)	48 V	Low voltage network	Single-phase, TN
Voltage type	AC	Fuse protection	No Fuse neccessary ≤315 A gG

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Technical data

Response time / fallback time	≤ 25 ns	Frequency range, max.	60 Hz
Frequency range, min.	50 Hz	Standards	IEC61643-11, EN61643-11, UL 1449, IEC 61643-11, EN 61643-11
Requirements class, acc. to EN 61643-11	T2, T3	Requirements category acc. to IEC 61643-11	Type II, Type III
Max. continuous voltage, Uc (AC)	75 V	Energy coordination (≤10 m)	Type II, Type III
Discharge current In (8/20µs) wire-PE	20 kA	Discharge current Imax (8/20µs) wire-PE	50 kA
Protection level Up at IN (L/N-PE)	≤ 0.8 kV	Short-circuit current rating ISCCR	25 kA
Discharge current (type III)	3 kA	Follow-on current extinguishing capability Ifi	Follow current need not be taken into account
Integrated back-up fuse	No		

Connection data

Stripping length	18 mm	Type of connection	Plug-in connection, Screw connection
Wire cross-section, solid, min.	1.5 mm²	Wire cross-section, solid, max.	35 mm²
Wire connection cross section, finely stranded, max.	25 mm²		

Electrical data

Voltage type	AC

General data

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

Guarantee

Time interval	5 years

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		

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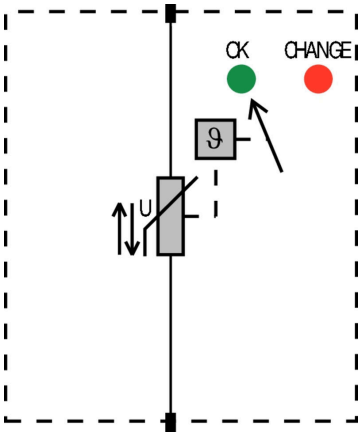
Drawings

Electric symbol



Schematic circuit diagram

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Accessories

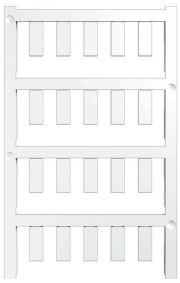
Slotted screwdriver

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



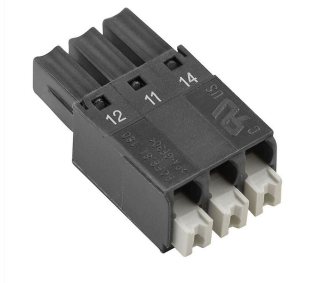
ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.
Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.
Advantages at a glance:
- Tags for 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.

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

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Accessories

General ordering data

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