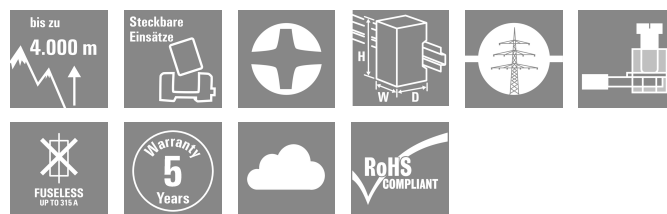


VPU IOT AC II 3+1 300/50**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**General ordering data**

Version	Surge voltage arrester, Low voltage, Surge protection, TN-S, TN-C-S, TT
Order No.	2735900000
Type	VPU IOT AC II 3+1 300/50
GTIN (EAN)	4064675257585
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2025-06-30T00:00:00+02:00

VPU IOT AC II 3+1 300/50

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	68 mm	Depth (inches)	2.6772 inch
Depth including DIN rail	76 mm	Height	90 mm
Height (inches)	3.5433 inch	Width	108 mm
Width (inches)	4.252 inch	Net weight	600 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; 6 TE, Insta IP 20
UL 94 flammability rating	V-0	Colour	black, orange
Protection degree	IP20 in installed state	Mounting rail	TS 35
auxiliary contact	No	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	6	Leakage current at Un	1 µA
Signalling contact	No	Rated voltage (AC)	230 V
Low voltage network	TN-S, TN-C-S, TT	Protection level Up at IN (N-PE)	≤ 1.5 kV
Voltage type	AC	Temporary surge voltage (over-voltage) - 337 V TOV	
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	Requirements class, acc. to EN 61643-11	T2
Requirements category acc. to IEC 61643-11	Type II	Max. continuous voltage, Uc (AC)	300 V
Max. continuous voltage, Uc (N-PE)	305 V	Mains voltage	230 V / 400 V
Discharge current I _{max} (8/20µs) N-PE	65 kA	Discharge current I _n (8/20µs) N-PE	40 kA

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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
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

Stripping length	18 mm	Wire connection method	Screw connection
Type of connection	Screw connection	Stripping length, rated connection	18 mm
Tightening torque, min.	2 Nm	Tightening torque, max.	3 Nm
Clamping range, rated connection	16 mm ²	Clamping range, min.	4 mm ²
Clamping range, max.	35 mm ²	Wire cross-section, solid, min.	2.5 mm ²
Wire cross-section, solid, max.	35 mm ²	Wire connection cross section, finely stranded, min.	35 mm ²
Wire connection cross section, finely stranded, max.	25 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	2.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	25 mm ²	Connection cross-section, stranded, min.	2.5 mm ²
Connection cross-section, stranded, max.	25 mm ²		

Electrical data

Voltage type	AC
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General data

Number of poles	6	Protection degree	IP20 in installed state
Colour	black, orange		

Guarantee

Time interval	5 years
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Important note

Product information	For use in DC applications, please use the fuse of SIBA Type NH2XL aR/aSF DC 1500 V
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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		

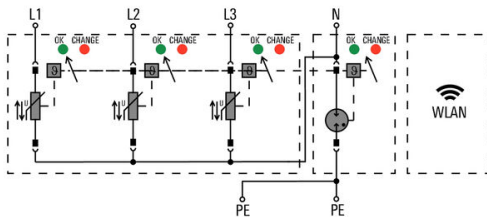
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Drawings

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

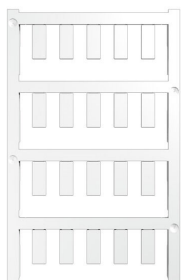


VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

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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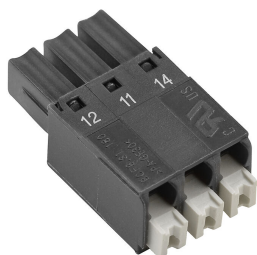
www.weidmueller.com

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	

230/400V IoT



General ordering data

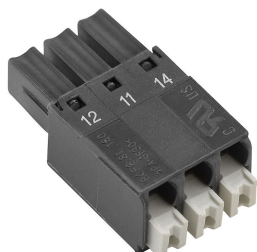
Type	VPU AC IOT II 0 300/50	Version
Order No.	2810460000	Spare arrester, Surge protection, Single-phase
GTIN (EAN)	4064675280019	
Qty.	1 ST	

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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		