

VPU AC II BS60 3+1 R 300/40 F

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

www.weidmueller.com



The VARITECTOR PU AC BS60 reliably protects electronic components and devices in larger distribution cabinets. It is snapped onto 60 mm busbar systems without tools and offers pluggable lightning and surge protection in accordance with IEC/EN 61643-11. The plug-in devices of types I+II+III and II+III are suitable for TN-C, TN-S and TT network types. The components are available as a leakage current-free version or as a version with an integrated fuse.

General ordering data

Version	Surge voltage arrester, Surge protection, low voltage, TN-C-S, TN-S, TT, IT with N, IT without N
Order No.	3115300000
Type	VPU AC II BS60 3+1 R 300/40 F
GTIN (EAN)	4099987206983
Qty.	1 items

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Technical data

Approvals

ROHS	Conform
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Dimensions and weights

Depth	106.9 mm	Depth (inches)	4.2087 inch
Height	244.5 mm	Height (inches)	9.626 inch
Width	36 mm	Width (inches)	1.4173 inch
Net weight	507 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%

Connection data, remote alert

Cross-section for connected wire, solid core, min.	0.25 mm ²	Stripping length	10 mm
Connection type	PUSH IN	Cross-section for connected wire, solid core, max.	1.5 mm ²
Max. torque	0.4 Nm		

General data

Optical function display	green = OK; red = arrester is defective - replace	Version	Surge protection, low voltage
Design	Installation housing; 2TE, Insta IP 20	UL 94 flammability rating	V-0
Colour	black, orange	Protection degree	IP20 in installed state
Mounting rail	Busbar	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	4	Combined pulse UOC	6 kV
Leakage current at Un	5 µA	Signalling contact	250 V 1A 1CO
Rated voltage (AC)	230 V	Low voltage network	TN-C-S, TN-S, 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	Not required, internally available
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, T3	Requirements category acc. to IEC 61643-11	Type II, Type III
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

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Discharge current I_n (8/20 μ s) N-PE	40 kA	Energy coordination (≤ 10 m)	Type I, 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	40 kA
Protection level Up at I_n (L/N-PE)	≤ 1500 V	Short-circuit current rating ISCCR	100 kA
Discharge current (type III)	3 kA	Follow-on current extinguishing capability I_{fi}	Follow current need not be taken into account
Integrated back-up fuse	Yes		

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.	4.5 Nm
Clamping range, rated connection	6 mm ²	Clamping range, min.	6 mm ²
Clamping range, max.	35 mm ²	Wire cross-section, solid, min.	6 mm ²
Wire cross-section, solid, max.	35 mm ²	Wire connection cross section, finely stranded, min.	6 mm ²
Wire connection cross section, finely stranded, max.	25 mm ²	Connection cross-section, stranded, min.	6 mm ²
Connection cross-section, stranded, max.	35 mm ²		

Electrical data

Voltage type	AC
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General data

Number of poles	4	Protection degree	IP20 in installed state
Colour	black, orange		

Guarantee

Time interval	5 years
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Classifications

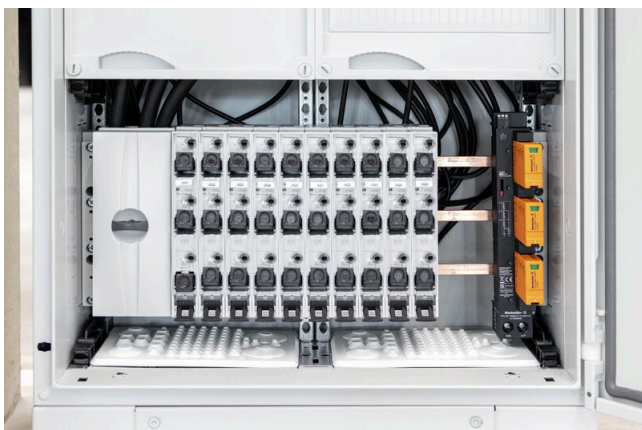
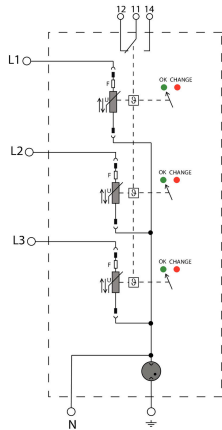
ETIM 8.0	EC000941	ETIM 9.0	EC000941
ETIM 10.0	EC000941	ECLASS 14.0	27-17-12-02
ECLASS 15.0	27-17-12-02		

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Drawings

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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 thickness (A): 1 mm	
GTIN (EAN)	4050118897050		
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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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		

Spare arrester

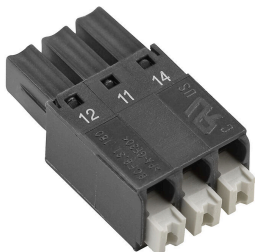


Weidmüller VPU I (Type I), VPU II (Type II) and VPU III (Type III) surge protection products effectively reduce the interference coupling that can occur due to transient surge voltages, even significantly below the limits prescribed by insulation co-ordination according to EN 60664-3 / DIN VDE 0110-3. This means that the whole installation is exposed to fewer malfunctions. The arresters are co-ordinated using technical means. This means that decoupling between Types I, II and III is unnecessary. The arresters are tested according to product standard IEC 61643-11 / DIN EN 61643-11 and can be installed in systems according to IEC 61643-12 / VDE 0675-6-12 and IEC 62305-4 / VDE 0185-4. This lightning and surge protection device is suited for installation in power supply systems. Weidmüller offers different products depending on the particular mains network type and voltage level. The VPU AC II F series is characterised by a fuse integrated in the arrester. These arresters do not require a fuse.

General ordering data

Type	VPU AC II F O 300/40	Version	
Order No.	2807520000	Surge voltage arrester, Low voltage, Class II surge protection, no leakage current	
GTIN (EAN)	4064675275541		
Qty.	1 ST		

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		

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Accessories

Type	PLUG VPU AC	Version
Order No.	2855300000	
GTIN (EAN)	4064675533283	
Qty.	10 ST	