

## VPU AC I BS60 3+1 R 300/12.5 LCF

**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, Leakage-current-free, TN-C-S, TN-S, TT, IT with N, IT without N
Order No.	<a href="#">3115220000</a>
Type	VPU AC I BS60 3+1 R 300/12.5 LCF
GTIN (EAN)	4099987206907
Qty.	1 items

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## Technical data

## Approvals

ROHS	Conform
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## Dimensions and weights

Depth	123.3 mm	Depth (inches)	4.8543 inch
Height	244.5 mm	Height (inches)	9.626 inch
Width	36 mm	Width (inches)	1.4173 inch
Net weight	698 g		

## Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	...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 <sup>2</sup>	Stripping length	10 mm
Connection type	PUSH IN	Cross-section for connected wire, solid core, max.	1.5 mm <sup>2</sup>
Max. torque	0.4 Nm		

## General data

Optical function display	green = OK; red = arrester is defective - replace	Version	Surge protection, low voltage, Leakage-current-free
Design	Installation housing; 2TE, Insta IP 20	UL 94 flammability rating	V-0
Colour	black, orange	Suitable for	Count-in installation (leakage current free)
Protection degree	IP20 in installed state	Mounting rail	Busbar
Operating altitude	≤ 4000 m		

## Insulation coordination acc. to EN 50178

Surge voltage category	I, II, III, IV	Pollution severity	2
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## Rated data IEC / EN

Number of poles	4	Combined pulse UOC	6 kV
Leakage current at Un	1 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	442 V	Fuse protection	No Fuse necessary ≤315 A gG
Response time / fallback time	≤ 25 ns	Frequency range, max.	60 Hz

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**Technical data**

Frequency range, min.	50 Hz	Suitable for	Count-in installation (leakage current free)
Standards	IEC 61643-11, EN 61643-11	Lightning test current limp (10/350 µs) (L-PE)	12.5 kA
Lightning test current, limp (10/350 µs) (N-PE)	50 kA	Requirements class, acc. to EN 61643-11	T1, T2
Requirements category acc. to IEC 61643-11	Type I, Type II	Max. continuous voltage, U <sub>c</sub> (AC)	300 V
Max. continuous voltage, U <sub>c</sub> (N-PE)	305 V	Mains voltage	230 V / 400 V
Discharge current I <sub>max</sub> (8/20µs) N-PE	100 kA	Discharge current I <sub>n</sub> (8/20µs) N-PE	80 kA
Energy coordination (≤10 m)	Type I, Type II, Type III	Discharge current I <sub>n</sub> (8/20µs) wire-PE	20 kA
Discharge current I <sub>max</sub> (8/20µs) wire-PE	65 kA	Protection level Up at IN (L/N-PE)	≤ 1.5 kV
Short-circuit current rating ISCCR	25 kA	Discharge current (type III)	3 kA
Follow-on current extinguishing capability I <sub>fi</sub>	Not available due for technical reasons	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.	4.5 Nm
Clamping range, rated connection	16 mm <sup>2</sup>	Clamping range, min.	6 mm <sup>2</sup>
Clamping range, max.	35 mm <sup>2</sup>	Wire cross-section, solid, min.	16 mm <sup>2</sup>
Wire cross-section, solid, max.	35 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	16 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	25 mm <sup>2</sup>	Connection cross-section, stranded, min.	16 mm <sup>2</sup>
Connection cross-section, stranded, max.	35 mm <sup>2</sup>		

**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**

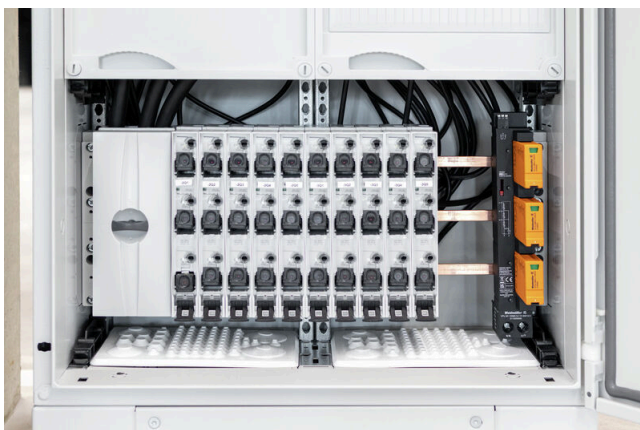
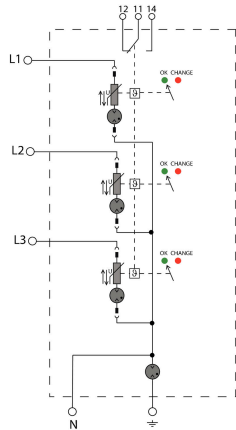
ETIM 8.0	EC001457	ETIM 9.0	EC001457
ETIM 10.0	EC001457	ECLASS 14.0	27-17-12-04
ECLASS 15.0	27-17-12-04		

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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.	<a href="#">2749890000</a>	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.	<a href="#">2749850000</a>	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.	<a href="#">1880100000</a>	ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive	
GTIN (EAN)	4032248478781		
Qty.	200 ST		

### Spare arrester

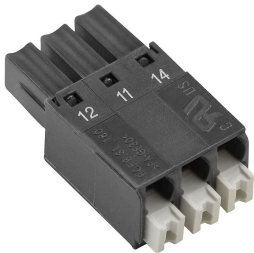


In the event of a defective arrester, you can easily reorder this spare arrester, replace the defective arrester and thus restore protection.

### General ordering data

Type	VPU AC I 0 300/12.5	Version	
Order No.	<a href="#">2591370000</a>	Spare arrester, Surge protection	
GTIN (EAN)	4050118599565		
Qty.	1 ST		

### VPU Series



Extensive accessories round off the product range

### General ordering data

Type	VPU LOCKING CLIP L	Version	
Order No.	<a href="#">2735070000</a>		
GTIN (EAN)	4050118816402		
Qty.	10 ST		
Type	PLUG VPU AC	Version	
Order No.	<a href="#">2855300000</a>		
GTIN (EAN)	4064675533283		
Qty.	10 ST		