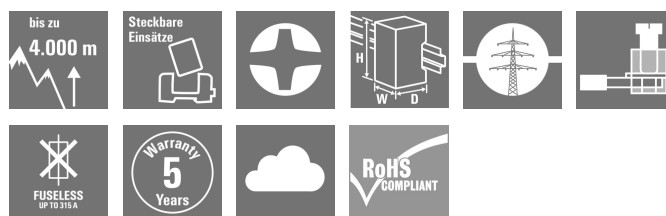


**VPU IOT AC II 3+1 300/50****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**General ordering data**

Version	Surge voltage arrester, Low voltage, Surge protection, TN-S, TN-C-S, TT, $U_p(L/N-PE) \leq 1.5 \text{ kV}$
Order No.	<a href="#">2735900000</a>
Type	VPU IOT AC II 3+1 300/50
GTIN (EAN)	4064675257585
Qty.	1 pc(s).
Replacement parts	<a href="#">2810460000</a>

## VPU IOT AC II 3+1 300/50

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## Technical data

## Dimensions and weights

Depth	68 mm	Depth (inches)	2.677 inch
Depth including DIN rail	76 mm	Height	90 mm
Height (inches)	3.543 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		

## General data

Colour	black, orange	Design	Installation housing; 6 TE
Operating altitude	≤ 4000 m	Optical function display	green = OK; red = arrester is defective - replace
Protection degree	IP20 in installed state	Rail	TS 35
Segment	Power distribution	UL 94 flammability rating	V-0
Version	Surge protection	auxiliary contact	No

## Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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## Rated data IEC / EN

Discharge current $I_{\max}$ (8/20μs) N-PE	65 kA	Discharge current $I_{\max}$ (8/20μs) wire-PE	50 kA
Discharge current $I_n$ (8/20μs) N-PE	40 kA	Discharge current $I_n$ (8/20μs) wire-PE	20 kA
Energy coordination (≤10 m)	Type II, Type III	Follow-on current extinguishing capability $I_{fi}$	Follow current need not be taken into account
Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Fuse	No Fuse necessary ≤315 A gG, 250 A gG @50 kA Iscrr, 315 A gG @25 kA Iscrr	Leakage current at $U_n$	1 μA
Low voltage network	TN-S, TN-C-S, TT	Mains voltage	230 V / 400 V
Max. continuous voltage, $U_c$ (AC)	300 V	Max. continuous voltage, $U_c$ (N-PE)	305 V
Number of poles	3	Protection level $U_p$ (typ.)	≤ 1.5 kV
Protection level $U_p$ at $I_N$ (N-PE)	≤ 1.5 kV	Rated voltage (AC)	230 V
Requirements category acc. to IEC 61643-11	Type II	Requirements class, acc. to EN 61643-11	T2
Response time	≤ 25 ns, ≤ 100 ns	SPD type	T2
Short-circuit current rating $I_{SCCR}$	50 kA	Standards	IEC61643-11, EN61643-11
Temporary surge voltage (over-voltage) - TOV	337 V	Voltage type	AC

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## Technical data

## 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.	4 mm <sup>2</sup>
Clamping range, max.	35 mm <sup>2</sup>	Wire cross-section, solid, min.	2.5 mm <sup>2</sup>
Wire cross-section, solid, max.	35 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	35 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	2.5 mm <sup>2</sup>
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	25 mm <sup>2</sup>	Connection cross-section, stranded, min.	2.5 mm <sup>2</sup>
Connection cross-section, stranded, max.	25 mm <sup>2</sup>		

## Guarantee

Time interval	5 years
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## Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	EC000941	ETIM 9.0	EC000941
ECLASS 9.0	27-13-08-05	ECLASS 9.1	27-13-08-05
ECLASS 10.0	27-13-08-05	ECLASS 11.0	27-13-08-05
ECLASS 12.0	27-17-90-90	ECLASS 13.0	27-17-90-90

## Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

## 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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## Approvals

Approvals



ROHS	Conform
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## Downloads

Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Software	<a href="#">Firmware – Firmware_102</a>
User Documentation	<a href="#">Beipackzettel / Instruction sheet</a> <a href="#">Operating instructions</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

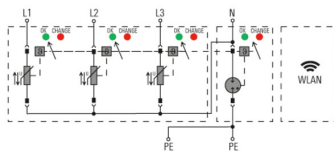
## VPU IOT AC II 3+1 300/50

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# Drawings

## Electric symbol



Schematic circuit diagram

**VPU IOT AC II 3+1 300/50**

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**Replacement parts****230/400V IoT****General ordering data**

Type	VPU AC IOT II 0 300/50	Version
Order No.	<a href="#">2810460000</a>	Spare arrester, Surge protection, Single-phase
GTIN (EAN)	4064675280019	
Qty.	1 pc(s).	

## VPU IOT AC II 3+1 300/50

Weidmüller Interface GmbH &amp; Co. KG

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## Accessories

## 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:

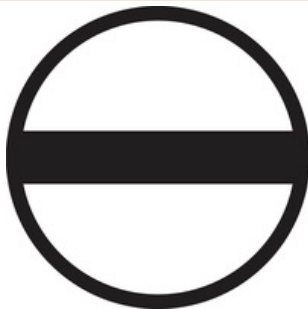
- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

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

## 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
GTIN (EAN)	4050118897050	thickness (A): 1 mm
Qty.	1 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**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 pc(s).	