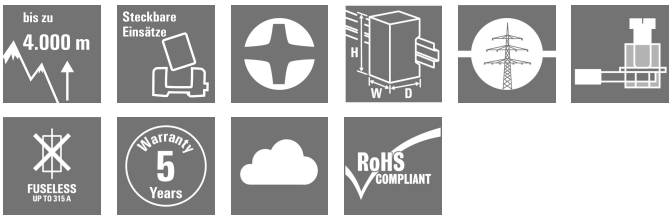
Data sheet

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

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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

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) - TOV	337 V
Fuse protection	No Fuse neccessary ≤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 Imax (8/20µs) N-PE	65 kA	Discharge current In (8/20µs) N-PE	40 kA

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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	SPD type	T2
Short-circuit current rating ISCCR	50 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	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 mm²	Clamping range, min.	4 mm²
Clamping range, max.	35 mm²	Wire cross-section, solid, min.	2.5 mm²
Wire cross-section, solid, max.	35 mm²	Wire connection cross section, finely stranded, min.	35 mm²
Wire connection cross section, finely stranded, max.	4 mm²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	2.5 mm²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	25 mm²	Connection cross-section, stranded, min.	2.5 mm²
Connection cross-section, stranded, max.	25 mm²		

Electrical data

Voltage type	AC

General data

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

Guarantee

Time interval	5 years

Important note

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

Classifications

ETIM 7.0	EC000941	ETIM 8.0	EC000941
ETIM 9.0	EC000941	ETIM 10.0	EC000941
ECLASS 12.0	27-17-12-02	ECLASS 13.0	27-17-12-02
ECLASS 14.0	27-17-12-02	ECLASS 15.0	27-17-12-02

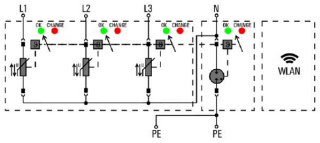
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Drawings

Electric symbol



Schematic circuit diagram