

VPU AC II+III 3+1 275/40 S

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

www.weidmueller.com



General ordering data

Version	Surge voltage arrester, Low voltage, TN-S, TT
Order No.	2907770000
Type	VPU AC II+III 3+1 275/40 S
GTIN (EAN)	4099986189652
Qty.	1 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	70 mm	Depth (inches)	2.7559 inch
Height	99 mm	Height (inches)	3.8976 inch
Width	36 mm	Width (inches)	1.4173 inch
Net weight	264 g		

Temperatures

Storage temperature Operating temperature -40 °C...85 °C

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption
 REACH SVHC No SVHC above 0.1 wt%

Connection data, remote alert

Connection type Screw connection

General data

Optical function display	green = OK; red = arrester is defective - replace	Segment	Power distribution
Design	Installation housing; 2TE, Insta IP 20	UL 94 flammability rating	V-0
Colour	grey	Protection degree	IP20 in installed state
Mounting rail	TS 35	Operating altitude	≤ 2000 m

Insulation coordination acc. to EN 50178

Surge voltage category III Pollution severity 2

Rated data IEC / EN

Number of poles	4	Combined pulse UOC	6 kV
Signalling contact	No	Rated voltage (AC)	230 V
Low voltage network	TN-S, TT	Protection level Up at IN (N-PE)	≤ 1.5 kV
Voltage type	AC	Temporary surge voltage (over-voltage) - TOV	335 V
Fuse protection	No Fuse necessary ≤100 A gG	Response time / fallback time	≤ 25 ns, <100 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)	275 V
Max. continuous voltage, Uc (N-PE)	255 V	Discharge current Imax (8/20µs) N-PE	40 kA
Discharge current In (8/20µs) N-PE	20 kA	Discharge current In (8/20µs) wire-PE	20 kA

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Discharge current I _{max} (8/20μs) wire-PE40 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
Integrated back-up fuse No	Protection level Up at IN (L-PE) (type III)	≤1 kV
Protection level Up at IN (N-PE) (type III) ≤1 kV		

Connection data

Conductor connection cross-section PE, stranded, max. 35 mm ²	Conductor connection cross-section PE, solid, max. 35 mm ²
Wire connection method Screw connection	Type of connection Screw connection
Stripping length, rated connection 15 mm	Tightening torque, max. 1.2 Nm
Wire cross-section, solid, min. 2.5 mm ²	Wire cross-section, solid, max. 10 mm ²
Wire connection cross section, finely stranded, min. 2.5 mm ²	Wire connection cross section, finely stranded, max. 6 mm ²
Connection cross-section, stranded, min. 2.5 mm ²	Connection cross-section, stranded, max. 10 mm ²

Electrical data

Voltage type AC

General data

Number of poles 4	Protection degree IP20 in installed state
Colour grey	

Guarantee

Time interval 5 years

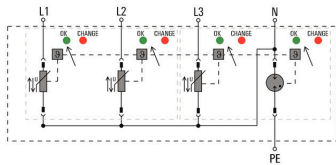
Important note

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

Classifications

ETIM 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	

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 PH0 X 60	Version	
Order No.	2749880000	Screwdriver, Blade width (B): 0 mm, 60 mm, Blade thickness (A): 0	
GTIN (EAN)	4050118897081		
Qty.	1 ST		

Spare arrester



General ordering data

Type	VPU AC II+III 0 L-N 275...	Version	
Order No.	2907800000	Surge voltage arrester, Low voltage, Spare arrester, TN-S, TT	
GTIN (EAN)	4099986189676		
Qty.	1 ST		
Type	VPU AC II+III 0 L/N-PE ...	Version	
Order No.	2907810000	Surge voltage arrester, Low voltage, Spare arrester, TN-S, TT	
GTIN (EAN)	4099986189683		
Qty.	1 ST		