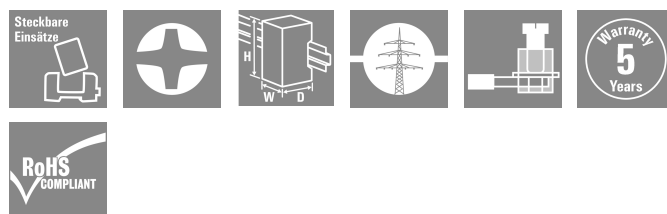


VPU AC II+III 1+1 275/40 S

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.	2907740000
Type	VPU AC II+III 1+1 275/40 S
GTIN (EAN)	4099986189638
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	70 mm	Depth (inches)	2.7559 inch
Height	97 mm	Height (inches)	3.8189 inch
Width	18 mm	Width (inches)	0.7087 inch
Net weight	140 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; 1TE, 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	2	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) - 335 V TOV	
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 I _{max} (8/20μs) N-PE	40 kA
Discharge current I _n (8/20μs) N-PE	20 kA	Discharge current I _n (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, 35 mm ² stranded, max.	Conductor connection cross-section PE, 35 mm ² solid, max.
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. 1.5 mm ²
Connection cross-section, stranded, min. 2.5 mm ²	Connection cross-section, stranded, max. 10 mm ²

Electrical data

Voltage type AC	
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General data

Number of poles 2	Protection degree IP20 in installed state
Colour grey	

Guarantee

Time interval 5 years	
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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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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	

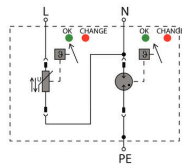
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Drawings

Electric symbol



Schematic circuit diagram

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

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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-PE ...	Version
Order No.	2907810000	Surge voltage arrester, Low voltage, Spare arrester, TN-S, TT
GTIN (EAN)	4099986189683	
Qty.	1 ST	