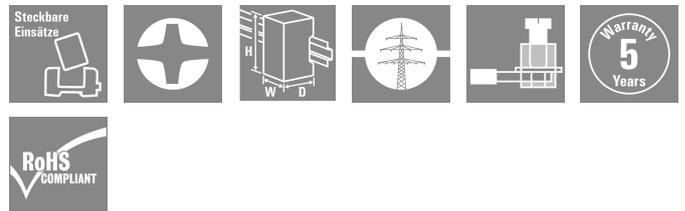


VPU AC II+III 1+1 440/20 S

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

www.weidmueller.com



General ordering data

Version	Surge voltage arrester, Low voltage, Single-phase, TN, TT, IT with N, IT without N
Order No.	2908500000
Type	VPU AC II+III 1+1 440/20 S
GTIN (EAN)	4099986190917
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	148 g		

Temperatures

Storage temperature		Ambient 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%

Connection data, remote alert

Connection type	PUSH IN
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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, ≤ 4000 m

Insulation coordination acc. to EN 50178

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

Number of poles	2	Combined pulse UOC	6 kV
Signalling contact	No	Rated voltage (AC)	230 V
Low voltage network	Single-phase, TN, 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	440 V
Fuse protection	No Fuse necessary ≤ 100 A gG	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, T3
Requirements category acc. to IEC 61643-11	Type II, Type III	Max. continuous voltage, U _c (AC)	440 V

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Max. continuous voltage, U _c (N-PE)	255 V	Discharge current I _{max} (8/20μs) N-PE	40 kA
Discharge current I _n (8/20μs) N-PE	20 kA	Energy coordination (≤10 m)	Type II, Type III
Discharge current I _n (8/20μs) wire-PE	10 kA	Discharge current I _{max} (8/20μs) wire-PE	20 kA
Protection level U _p at IN (L/N-PE)	≤ 1.7 kV	Short-circuit current rating ISCCR	25 kA
Discharge current (type III)	3 kA	Integrated back-up fuse	No
Protection level U _p at IN (L-PE) (type III)	≤1 kV	Protection level U _p at IN (N-PE) (type III)	≤1,4 kV

Connection data

Stripping length	13 mm	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	13 mm
Tightening torque, min.	1.2 Nm	Tightening torque, max.	2 Nm
Clamping range, rated connection	10 mm ²	Clamping range, min.	2.5 mm ²
Clamping range, max.	35 mm ²	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.	25 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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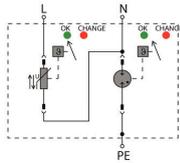
Important note

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		

Electric symbol



Schematic circuit diagram

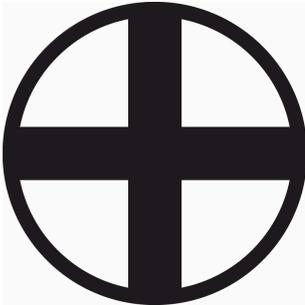
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Accessories

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-PE ...	Version	
Order No.	2908550000	Surge voltage arrester, Low voltage, Spare arrester, TN-S, TT	
GTIN (EAN)	4099986190979		
Qty.	1 ST		