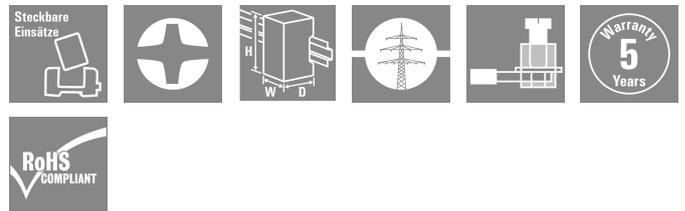


VPU AC II+III 0 L-N 440/20 S

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

www.weidmueller.com



General ordering data

Version	Surge voltage arrester, Low voltage, Spare arrester, TN-S, TT
Order No.	2908540000
Type	VPU AC II+III 0 L-N 440/20 S
GTIN (EAN)	4099986190955
Qty.	1 items

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Technical data
Approvals

ROHS Conform

Dimensions and weights

Depth	54 mm	Depth (inches)	2.126 inch
Height	45.3 mm	Height (inches)	1.7835 inch
Width	18 mm	Width (inches)	0.7087 inch
Net weight	89 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

General data

Optical function display	green = OK; red = arrester is defective - replace	Segment	Power distribution
Version	Spare arrester	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

Rated data IEC / EN

Number of poles	1	Combined pulse UOC	6 kV
Signalling contact	No	Rated voltage (AC)	230 V
Low voltage network	TN-S, TT	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	Discharge current I _n (8/20μs) wire-PE	10 kA
Discharge current I _{max} (8/20μs) wire-PE	20 kA	Protection level Up at IN (L/N-PE)	≤ 1.7 kV, ≤ 1.4 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

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Technical data

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	15 mm
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	1	Protection degree	IP20 in installed state
Colour	grey		

Guarantee

Time interval	5 years
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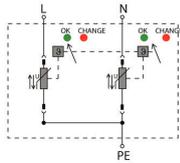
Important note

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

VPU AC II+III 0 L-N 440/20 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		