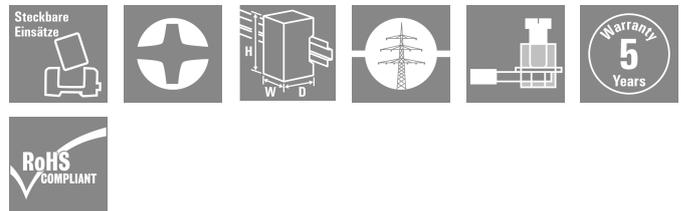


## VPU AC II+III 1+1 275/20 S

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

[www.weidmueller.com](http://www.weidmueller.com)



### General ordering data

Version	Surge voltage arrester, Low voltage, Single-phase, TN, TT, IT with N, IT without N
Order No.	<a href="#">2907930000</a>
Type	VPU AC II+III 1+1 275/20 S
GTIN (EAN)	4099986189973
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	148.5 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	335 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 <sub>c</sub> (AC)	275 V

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### Technical data

Max. continuous voltage, U <sub>c</sub> (N-PE)	255 V	Discharge current I <sub>max</sub> (8/20μs) N-PE	40 kA
Discharge current I <sub>n</sub> (8/20μs) N-PE	20 kA	Energy coordination (≤10 m)	Type II, Type III
Discharge current I <sub>n</sub> (8/20μs) wire-PE	10 kA	Discharge current I <sub>max</sub> (8/20μs) wire-PE	20 kA
Protection level U <sub>p</sub> at IN (L/N-PE)	≤ 1200 V	Short-circuit current rating ISCCR	25 kA
Discharge current (type III)	3 kA	Integrated back-up fuse	No
Protection level U <sub>p</sub> at IN (L-PE) (type III)	≤1 kV	Protection level U <sub>p</sub> at IN (N-PE) (type III)	≤1 kV

### Connection data

Stripping length	13 mm	Conductor connection cross-section PE, stranded, max.	35 mm <sup>2</sup>
Conductor connection cross-section PE, solid, max.	35 mm <sup>2</sup>	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 <sup>2</sup>	Clamping range, min.	2.5 mm <sup>2</sup>
Clamping range, max.	35 mm <sup>2</sup>	Wire cross-section, solid, min.	2.5 mm <sup>2</sup>
Wire cross-section, solid, max.	10 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	2.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	25 mm <sup>2</sup>	Connection cross-section, stranded, min.	2.5 mm <sup>2</sup>
Connection cross-section, stranded, max.	10 mm <sup>2</sup>		

### 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

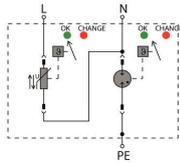
Product information	For use in DC applications, please use the fuse of SIBA Type NH2XL aR/aSF DC 1500 V
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### Classifications

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**

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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.	<a href="#">2749880000</a>	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.	<a href="#">2908020000</a>	Surge voltage arrester, Low voltage, Spare arrester, TN-S, TT	
GTIN (EAN)	4099986190160		
Qty.	1 ST		