

**VPU AC II+III 3+1 R 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, with remote contact, TN-S, TT
Order No.	<a href="#">2907790000</a>
Type	VPU AC II+III 3+1 R 275/40 S
GTIN (EAN)	4099986189669
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	99 mm	Height (inches)	3.8976 inch
Width	36 mm	Width (inches)	1.4173 inch
Net weight	266 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

Cross-section for connected wire, solid core, min.	0.2 mm <sup>2</sup>	Stripping length	5 mm
Connection type	Screw connection	Cross-section for connected wire, solid core, max.	1.5 mm <sup>2</sup>
Max. torque	0.4 Nm		

### General data

Optical function display	green = OK; red = arrester is defective - replace	Segment	Power distribution
Version	with remote contact	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	250 V / 0,5 A	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

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### Technical data

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)	275 V
Max. continuous voltage, $U_c$ (N-PE)	255 V	Discharge current $I_{max}$ (8/20 $\mu$ s) N-PE	40 kA
Discharge current $I_n$ (8/20 $\mu$ s) N-PE	20 kA	Discharge current $I_n$ (8/20 $\mu$ s) wire-PE	20 kA
Discharge current $I_{max}$ (8/20 $\mu$ s) wire-PE	40 kA	Protection level Up at IN (L/N-PE)	$\leq 1.5$ 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)	$\leq 1$ kV
Protection level Up at IN (N-PE) (type III)	$\leq 1$ kV		

### Connection data

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	15 mm	Tightening torque, max.	1.2 Nm
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.	6 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	4	Protection degree	IP20 in installed state
Colour	grey		

### Guarantee

Time interval	5 years
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### Important note

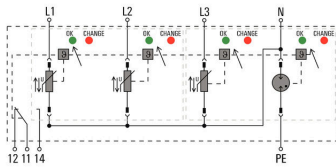
Product information	For use in DC applications, please use the fuse of SIBA Type NH2XL aR/aSF DC 1500 V
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### Classifications

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 275...	Version	
Order No.	<a href="#">2907800000</a>	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.	<a href="#">2907810000</a>	Surge voltage arrester, Low voltage, Spare arrester, TN-S, TT	
GTIN (EAN)	4099986189683		
Qty.	1 ST		