

**VPU AC II+III 3+1 R 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, with remote contact, TN-S, TT, $U_p(L/N-PE) < 1000\text{ V}$
Order No.	<a href="#">2907970000</a>
Type	VPU AC II+III 3+1 R 275/20 S
GTIN (EAN)	4099986190115
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	70 mm	Depth (inches)	2.756 inch
Height	99 mm	Height (inches)	3.898 inch
Width	36 mm	Width (inches)	1.417 inch
Net weight	265.5 g		

## Temperatures

Operating temperature	-40 °C...85 °C
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## Connection data, remote alert

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

## General data

Colour	grey	Design	Installation housing; 2TE, Insta IP 20
Operating altitude	≤ 2000 m	Optical function display	green = OK; red = arrester is defective - replace
Protection degree	IP20 in installed state	Rail	TS 35
Segment	Power distribution	UL 94 flammability rating	V-0
Version	with remote contact		

## Insulation coordination acc. to EN 50178

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

Combined pulse U <sub>OC</sub>	6 kV	Discharge current (type III)	3 kA
Discharge current I <sub>max</sub> (8/20μs) N-PE	40 kA	Discharge current I <sub>max</sub> (8/20μs) wire-PE	20 kA
Discharge current I <sub>n</sub> (8/20μs) N-PE	20 kA	Discharge current I <sub>n</sub> (8/20μs) wire-PE	10 kA
Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Fuse	No Fuse necessary ≤100 A gG	Low voltage network	TN-S, TT
Max. continuous voltage, U <sub>c</sub> (AC)	275 V	Max. continuous voltage, U <sub>c</sub> (N-PE)	255 V
Number of poles	4	Protection level U <sub>p</sub> (typ.)	<1000 V
Protection level U <sub>p</sub> at I <sub>N</sub> (L/N-PE)	≤ 1.2 kV	Protection level U <sub>p</sub> at I <sub>N</sub> (N-PE)	≤ 1.5 kV
Protection level up at in (L-PE) (type III)	≤1 kV	Protection level up at in (N-PE) (type III)	≤1 kV
Rated voltage (AC)	230 V	Requirements category acc. to IEC 61643-11	Type II/III
Requirements class, acc. to EN 61643-11	T2, T3	Response time	≤ 25 ns, <100 ns
Short-circuit current rating I <sub>SCCR</sub>	25 kA	Signalling contact	250 V / 0,5 A
Standards	IEC 61643-11, EN 61643-11	Temporary surge voltage (over-voltage) - TOV	335 V
Voltage type	AC		

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## Technical data

## Connection data

Conductor connection cross-section PE, solid, max.	35 mm <sup>2</sup>	Conductor connection cross-section PE, stranded, 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>

## Guarantee

Time interval	5 years
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## Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	EC000941	ETIM 9.0	EC000941
ECLASS 9.0	27-13-08-05	ECLASS 9.1	27-13-08-05
ECLASS 10.0	27-13-08-05	ECLASS 11.0	27-13-08-05
ECLASS 12.0	27-17-90-90	ECLASS 13.0	27-17-90-90

## 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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## Approvals

Approvals



ROHS	Conform
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## Downloads

Approval/Certificate/Document of Conformity	<a href="#">EU_Konformitätserklärung / EU_Declaration_of_Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a> <a href="#">CAD data – STEP</a>
Tender specification	<a href="#">Ausschreibungstext DE</a>
User Documentation	<a href="#">Beipackzettel / Instruction Sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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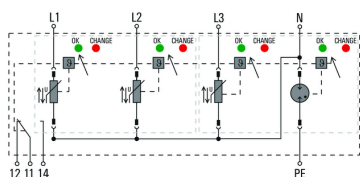
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## Drawings

### Electric symbol



Schematic circuit diagram

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[www.weidmueller.com](http://www.weidmueller.com)**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 PHO 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 pc(s).	