

**VPU AC II+III 3 440/20 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, TN-C
Order No.	<a href="#">2908460000</a>
Type	VPU AC II+III 3 440/20 S
GTIN (EAN)	4099986190665
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	70 mm	Depth (inches)	2.756 inch
Height	97 mm	Height (inches)	3.819 inch
Width	36 mm	Width (inches)	1.417 inch
Net weight	262 g		

## Temperatures

Operating temperature	-40 °C...85 °C
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## 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

## Insulation coordination acc. to EN 50178

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

Combined pulse $U_{OC}$	6 kV	Discharge current (type III)	3 kA
Discharge current $I_{max}$ (8/20μs) wire-PE	20 kA	Discharge current $I_n$ (8/20μs) wire-PE	10 kA
Energy coordination (≤10 m)	Type II, Type III	Frequency range, max.	60 Hz
Frequency range, min.	50 Hz	Fuse	No Fuse necessary ≤100 A gG
Low voltage network	TN-C	Max. continuous voltage, $U_c$ (AC)	440 V
Number of poles	3	Protection level $U_p$ at $I_N$ (L-PE) (type III)	≤1 kV
Protection level $U_p$ at $I_N$ (L/N-PE)	≤ 1.7 kV	Rated voltage (AC)	230 V
Requirements category acc. to IEC 61643-11	Type II, Type III	Requirements class, acc. to EN 61643-11	T2, T3
Response time	≤ 25 ns	Short-circuit current rating $I_{SCCR}$	25 kA
Signalling contact	No	Standards	IEC 61643-11, EN 61643-11
Temporary surge voltage (over-voltage) - TOV	440 V	Voltage type	AC

## 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>
Stripping length	13 mm	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.	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>		

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Time interval 5 years

**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
ECLASS 14.0	27-17-90-90		

**Environmental Product Compliance**

REACH SVHC /

RoHS Compliance Status Compliant without exemption

**Important note**

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

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity [EU\\_Konformitätserklärung / EU\\_Declaration\\_of\\_Conformity](#)

Engineering Data [STEP](#)  
[CAD data – STEP](#)

Tender specification [Ausschreibungstext DE](#)

User Documentation [Beipackzettel / Instruction Sheet](#)

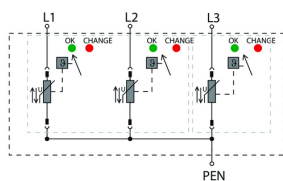
Catalogues [Catalogues in PDF-format](#)

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

## Spare arrester



## General ordering data

Type	VPU AC II+III 0 L-N 440 ...	Version	
Order No.	<a href="#">2908540000</a>	Surge voltage arrester, Low voltage, Spare arrester, TN-S, TT	
GTIN (EAN)	4099986190955		
Qty.	1 pc(s).		
Type	VPU AC II+III 0 L3-PEN ...	Version	
Order No.	<a href="#">2908560000</a>	Surge voltage arrester, Low voltage, Spare arrester, TN-S, TT	
GTIN (EAN)	4099986190986		
Qty.	1 pc(s).		