VPU AC II+III 2 440/20 S

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

www.weidmueller.com

General ordering data

Version	Surge voltage arrester, Low voltage, TN-S, TN-C, IT with N, IT without N
Order No.	2908440000
Type	VPU AC II+III 2 440/20 S
GTIN (EAN)	4099986190641
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	18 mm	Width (inches)	0.709 inch
Net weight	162.5 g		

Temperatures

Operating temperature	-40 °C...85 °C

Connection data, remote alert

Connection type	Screw connection

General data

Colour	grey	Design	Installation housing; 1TE, 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

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
Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Fuse	No Fuse neccessary ≤100 A gG	Low voltage network	TN-S, TN-C, IT with N, IT without N
Max. continuous voltage, Uc (AC)	440 V	Number of poles	2
Protection level U_p at I_N (L/N-PE)	≤ 1.7 kV, ≤ 1.4 kV	Protection level up at in (L-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
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 mm²	Conductor connection cross-section PE, stranded, max.	35 mm²
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 mm²	Wire cross-section, solid, max.	10 mm²
Wire connection cross section, finely stranded, min.	2.5 mm²	Wire connection cross section, finely stranded, max.	6 mm²
Connection cross-section, stranded, min.	2.5 mm²	Connection cross-section, stranded, max.	10 mm²

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Technical data

Guarantee

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

Important note

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

Approvals

Approvals	CE
ROHS	Conform

Downloads

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

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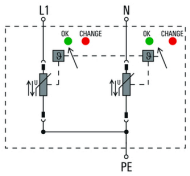
Drawings

Electric symbol



Schematic circuit diagram