

Surge arrester

2-electrode arrester

Series/Type:V1C-A800XNHCOrdering code:B88069X7951B152

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B88069X7951B152

V1C-A800XNHC

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2-electrode arrester

Features

- Standard size
- Maximum current rating
- Fast response time
- Stable performance over life
- Very low capacitance
- High insulation resistance
- **RoHS-compatible**

Electrical specifications

Applications

- AC power line N-PE application
- Class I and class II- surge protection н.

DC spark-over voltage ^{1) 2)}	> 600	V
Impulse spark-over voltage 4) 5)		
 at 1.2/50 µs, 6 kV, for 99 % of measured values 	< 1500	V
Breakdown time	< 100	ns
- typical values	< 20	ns
Insulation resistance at 100 V _{DC}	> 1	GΩ
Class I according to IEC 61643-11Max. continuous operating voltage at 50/60 Hz U_c Nominal discharge current 8/20 µs I_n Impulse current 10/350 µs I_{imp} Follow current at 50/60 Hz I_f	255 40 25 100	V kA kA A
Class II according to IEC 61643-11Max. continuous operating voltage at 50/60 Hz U_c Nominal discharge current 8/20 µs I_n Maximum discharge current 8/20 µs I_{max} Follow current at 50/60 Hz I_f	255 40 60 100	V kA kA A
AC discharge current (TOV ³⁾ at 1200 V) 1 operation 50 Hz, 0.2 s	300	A
Weight	~ 10	g
Operation and storage temperature	-40 +125	°C
Climatic category (IEC 60068-1)	40/125/21	
Marking, blue positive	EPCOS 800 YY ON 800 - Nominal voltage YY - Year of production O - Non radioactive N - Series	
Certifications	UL 1449 (E319264)	c SN ° us

- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3) TOV - Temporary over voltage
- 4) Combination wave generator (2 Ω)
- 5) Same values before and after loading

PPD AB PD / PPD AB PM

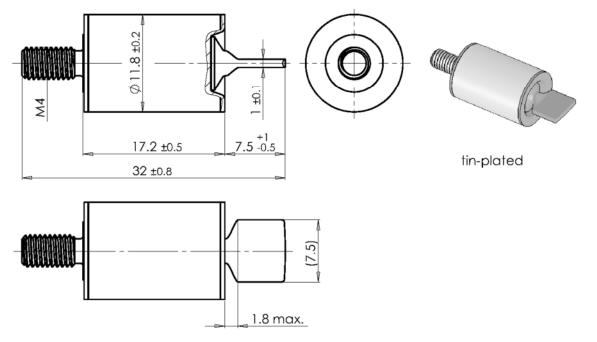


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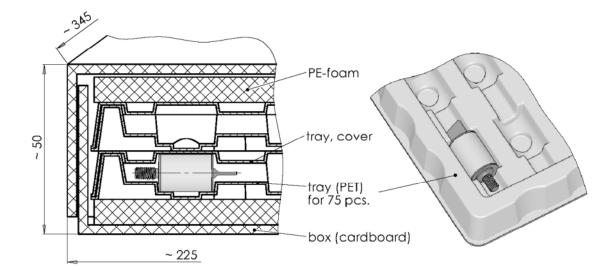
B88069X7951B152 V1C-A800XNHC

Dimensional drawing in mm



Ordering code and packing advice

B88069X7951**B152** = 150 pcs. on trays



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Cautions and warnings

- The follow current must be limited (see values on page 2) so that the arrester can be properly extinguished when the surge has decayed. The arrester might otherwise heat up and ignite adjacent components.
- Surge arresters may become hot in the event of longer periods of current stress (burn risk). In the event of overload the connectors may fail or the component may be destroyed.
- If the contacts of the surge arresters are defective, current load can cause sparks and loud noises.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.

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