Surge arrester

2-electrode arrester

Series/Type:	**V13-A800XN**
Ordering code:	**B88069X4380B152**
Date:	2019-07-31
Version:	11

Surge arrester — B88069X4380B152

2-electrode arrester — V13-A800XN

Features

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

Applications

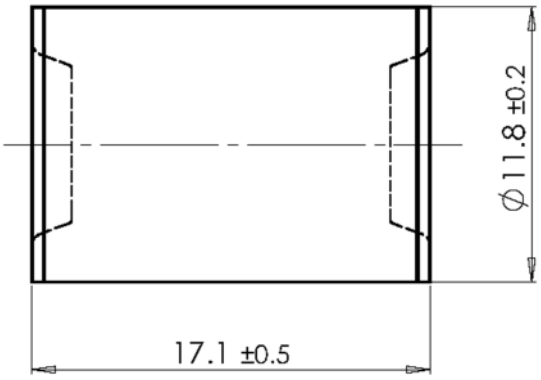
- AC power line N-PE application
- Class I and class II– surge protection

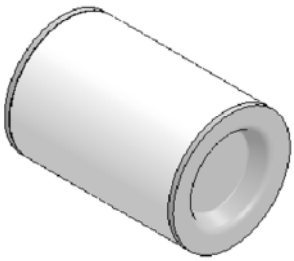
Electrical specifications

DC spark-over voltage [1) 2)]		> 600	V
Impulse spark-over voltage [4)]			
- 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 61643-11			
Max. continuous operating voltage at 50/60 Hz	U_c	255	V
Nominal discharge current 8/20 µs	I_n	40	kA
Impulse current 10/350 µs	I_{imp}	12	kA
Follow current at 50/60 Hz	I_f	100	A
Class II according to IEC 61643-11			
Max. continuous operating voltage at 50/60 Hz	U_c	255	V
Nominal discharge current 8/20 µs	I_n	40	kA
Maximum discharge current 8/20 µs	I_{max}	60	kA
Follow current at 50/60 Hz	I_f	100	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, black positive		**EPCOS** **800 YY ON** 800 - Nominal voltage YY - Year of production O - Non radioactive N - Series	
Certifications		UL 1449 (E319264) c UL us	

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode
3) TOV – Temporary over voltage
4) Same values before and after loading

Dimensional drawing in mm

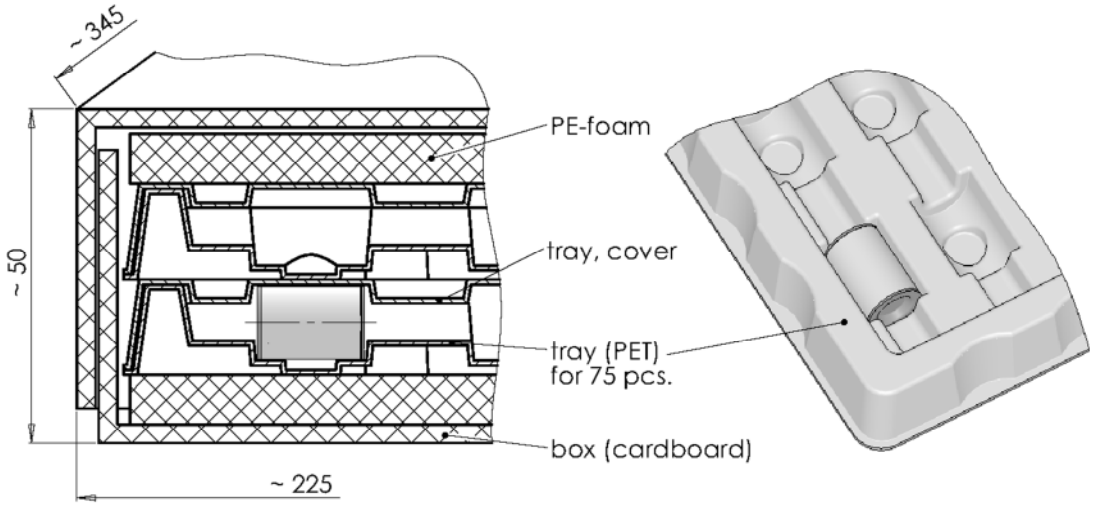




nickel-plated

Ordering code and packing advice

*B88069X4380**B152** = 150 pcs. on trays*



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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Release 2018-10