

Surge arrester

2-electrode arrester

Series/Type: V14-A800XN Ordering code: B88069X3803B152

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V14-A800XN

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Features

- Suitable for direct strikes
- Very fast response time
- Stable performance over life
- 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
Front of wave spark-over voltage at 1.2/50 µs, 6 - initial, for 99% of measured values - after load	kV	< 1300 < 1500	V V
Breakdown time - typical values		< 100 < 20	ns ns
Insulation resistance at 100 V_{DC}		> 1	GΩ
Class I according to IEC 61643-11 Max. continuous operating voltage at 50/60 Hz Nominal discharge current 8/20 µs Impulse current 10/350 µs Follow current at 50/60 Hz	U _c I _n I _{imp} I _f	255 40 12.5 100	V kA kA A
Class II according to IEC 61643-11 Max. continuous operating voltage at 50/60 Hz Nominal discharge current 8/20 µs Maximum discharge current 8/20 µs Follow current at 50/60 Hz	U _c I _n I _{max} I _f	255 40 65 100	V kA kA A
AC discharge current (TOV ³⁾ at 1200 V) 1 operation 50 Hz, 0.2 s		300	A
Weight		~ 8	g
Operation and storage temperature		-40 +125	°C
Climatic category (IEC 60068-1)		40/125/21	
Marking, black positive		EPCOS 800 YY ON800- Nominal voltage YYYY- Year of production OO- Non radioactive NN- Series	
Certifications		UL 1449 (E319264)	c 🔊 us

1) At delivery AQL 0.65 level II, DIN ISO 2859

²⁾ In ionized mode

³⁾ TOV – Temporary over voltage

PPD AB PD / PPD AB PM

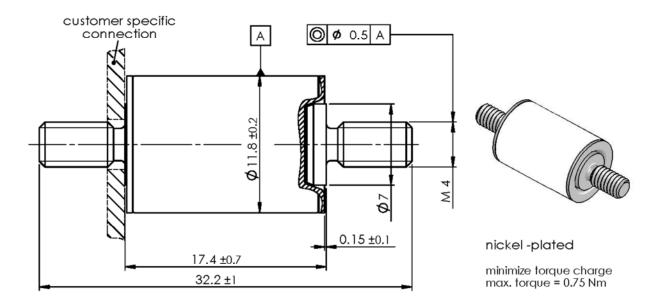


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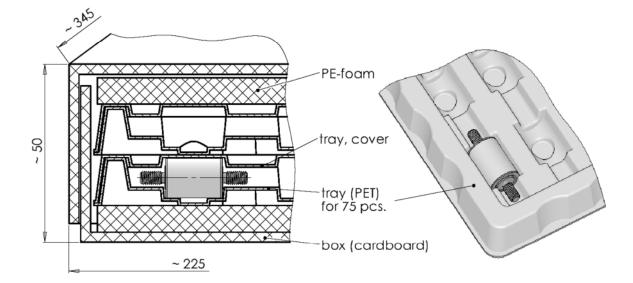
B88069X3803B152 V14-A800XN

Dimensional drawing in mm



Ordering code and packing advice

B88069X3803**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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