

# Surge arrester

2-electrode arrester

Series/Type: V18-A800XNTP Ordering code: B88069X3633B251

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Version: 02

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Surge arrester B88069X3633B251

## 2-electrode arrester V18-A800XNTP

#### **Features**

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

## **Applications**

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

## **Electrical specifications**

Electrical specifications			T
DC spark-over voltage 1) 2)		> 600	V
Front of wave spark-over voltage - at 1.2/50 µs, 6 kV		< 1500	V
<u>'</u>			V
Breakdown time		< 100	ns
- typical values		< 20	ns
Insulation resistance at 100 V <sub>DC</sub>		> 1	$G\Omega$
Class I according to EN 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 <sub>c</sub> I <sub>n</sub> I <sub>imp</sub> I <sub>f</sub>	275 40 12 100	V kA kA
Class II according to EN 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 <sub>c</sub> I <sub>n</sub> I <sub>max</sub> I <sub>f</sub>	275 40 60 100	V kA kA
AC discharge current (TOV <sup>3)</sup> at 1200 V)  1 operation 50 Hz, 0.2 s		300	А
Weight		~ 8	g
Operation and storage temperature		-40 +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	1
Marking, black positive		EPCOS 800 YY ON 800 - Nominal voltage YY - Year of production O - Non radioactive N - Series	
Certifications		UL 1449 (E319264)	<i>71</i> 2°
		1	

<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

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<sup>2)</sup> In ionized mode

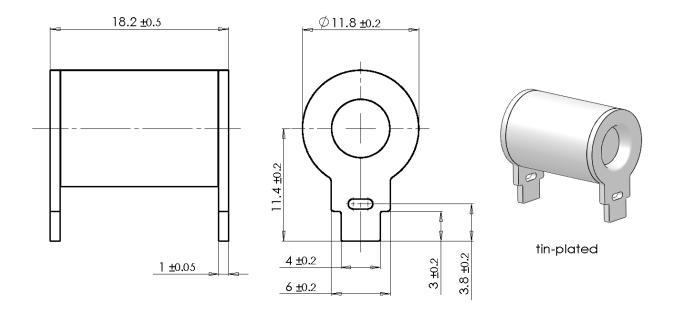
<sup>3)</sup> TOV – Temporary over voltage



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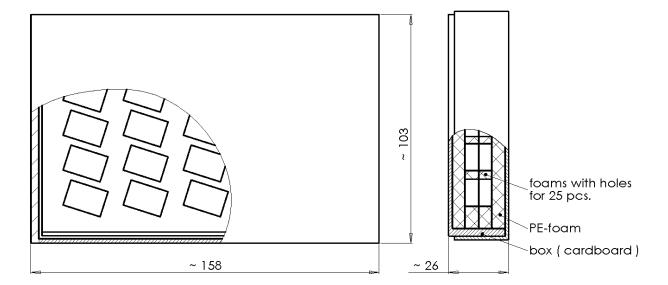
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# Dimensional drawing in mm



# Ordering code and packing advice

B88069X3633**B251** = 25 pcs. on foam 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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