

# Surge arrester

2-electrode arrester

Series/Type: V13-H14X

Ordering code: B88069X8161B152

Date: 2019-07-29

Version: 04

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Surge arrester B88069X8161B152

# 2-electrode arrester V13-H14X

#### **Features**

# Applications Industry

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

#### **Electrical specifications**

DC spark-over voltage 1)	2)	1400	V
Tolerance		±20	%
Min.		1120	V
Max.		1680	V
Impulse spark-over volta	age		
at 100 V/µs	for 99% of measured values	< 1900	V
	typical values of distribution	< 1800	V
at 1 kV/µs -	for 99% of measured values	< 2200	V
	typical values of distribution	< 2000	V
Service life			
10 operations	50 Hz, 1 s	20	Α
1 operation	50 Hz, 0.18 s (9 cycles)	120	Α
10 operations	8/20 µs	20	kA
1 operation	8/20 µs	30	kA
Insulation resistance at 100 V <sub>DC</sub>		> 10	$G\Omega$
Capacitance at 1 MHz		< 1.5	pF
Arc voltage at 1 A		~ 35	V
Glow to arc transition current		< 1	Α
Glow voltage		~ 200	V
Weight		~ 8	g
Operation and storage temperature		-40 <b>+125</b>	°C
Climatic category (IEC 60068-1)		40/125/21	•
Marking, black positive		EPCOS 1400 YY O 1400 - Nominal voltage YY - Year of production O - Non radioactive	

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

Terms in accordance with ITU-T Rec. K.12 and IEC 61643-311.

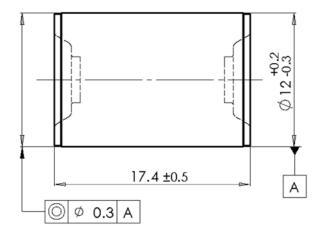
<sup>2)</sup> In ionized mode



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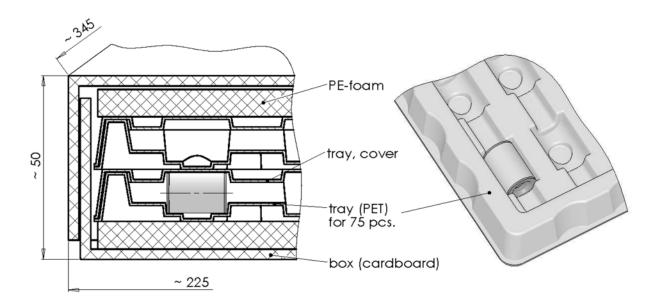
#### Dimensional drawing in mm





# Ordering code and packing advice

B88069X8161**B152** = 150 pcs. on trays



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#### **Cautions and warnings**

- Do not operate surge arresters in power supply networks, whose maximum operating voltage exceeds the minimum spark-over voltage of the surge arresters.
- 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.
- Do not continue to use damaged surge arresters.

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#### Important notes

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