

# Surge arrester

2-electrode arrester

Series/Type: M51-A150X Ordering code: B88069X9841\*\*\*\*

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Surge arrester B88069X9841\*\*\*\*

# 2-electrode arrester M51-A150X

#### **Features**

- Small size
- High current rating
- Fast response time
- Stable performance over life
- Low capacitance
- High insulation resistance
- RoHS-compatible

# **Applications**

- Modem
- XDSL-splitter
- Data lines
- Tuner
- Antenna

# **Electrical specifications**

DC spark-over voltage 1) 2)	150 ± 20	V %
Impulse spark-over voltage at 100 V/µs - for 99 % of measured values - typical values of distribution	< 550 < 500	V
at 1 kV/µs - for 99 % of measured values - typical values of distribution	< 650 < 600	V
Service life		
10 operations 50 Hz, 1 s	5	Α
1 operation 50 Hz, 0.18 s (9 cycles)	10	А
10 operations 8/20 μs	5	kA
300 operations 10/1000 μs	100	Α
Insulation resistance at 100 V <sub>DC</sub>	> 1	$G\Omega$
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 15 ~ 0.8 ~ 60	V A V
Weight	~ 1	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue negative	EPCOS 150 YY O  150 - 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 DIN 57845/VDE0845

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

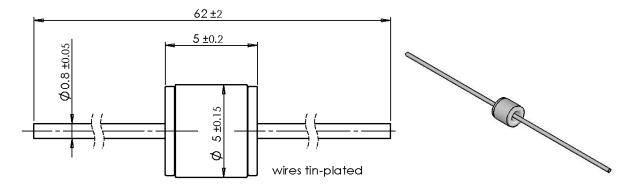


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#### 2-electrode arrester

M51-A150X

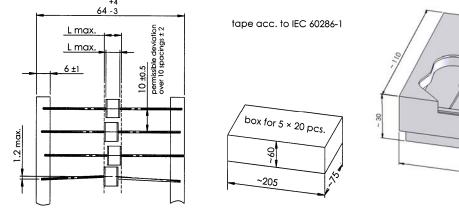
### Dimensional drawing in mm

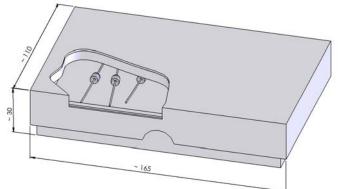


# Ordering codes and packing advices

B88069X9841**S102** = 100 pcs. on 5 taped stripes

B88069X9841**C102** = 100 pcs. in container





# **Cautions and warnings**

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In case of overload, the head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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