



Surge arrester

2-electrode arrester

Series/Type: A80-C90X
Ordering code: B88069X1410****
Version/Date: Issue 06 / 2010-11-25

Features

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

Applications

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

Electrical specifications

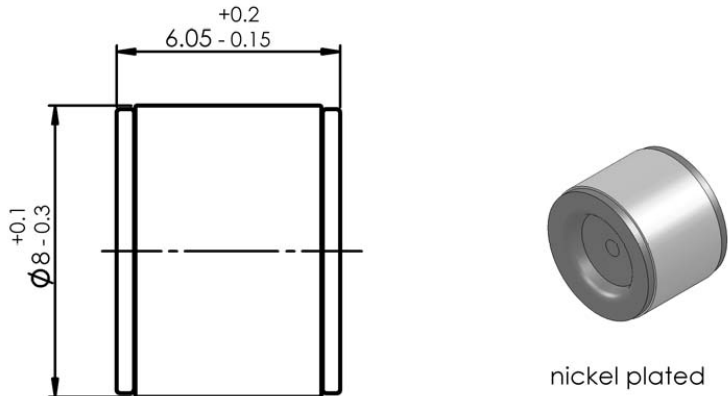
DC spark-over voltage ^{1) 2)}	90 ± 20	V %
Impulse spark-over voltage		
at 100 V/μs - for 99 % of measured values	< 500	V
- typical values of distribution	< 450	V
at 1 kV/μs - for 99 % of measured values	< 600	V
- typical values of distribution	< 550	V
Service life		
10 operations 50 Hz, 1 s	20	A
1 operation 50 Hz, 0.18 s (9 cycles)	100	A
10 operations 8/20 μs	20	kA
1 operation 8/20 μs	30	kA
5 operations 10/250 μs	1	kA
2 operations 10/350 μs	2.5	kA
1 operation 10/350 μs	5	kA
300 operations 5/300 μs	100	A
300 operations 10/1000 μs	100	A
Insulation resistance at 50 V _{DC}	> 10	GΩ
Capacitance at 1 MHz	< 1.5	pF
Arc voltage at 1 A	~ 10	V
Glow to arc transition current	~ 0.5	A
Glow voltage	~ 60	V
Weight	~ 1.5	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue negative	EPCOS 90 YY O 90 - Nominal voltage YY - Year of production O - Non radioactive	

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

²⁾ In ionized mode

Terms and current waveforms in accordance with: ITU-T Rec. K.12 ; IEC 61643-21 and DIN 57845/VDE0845

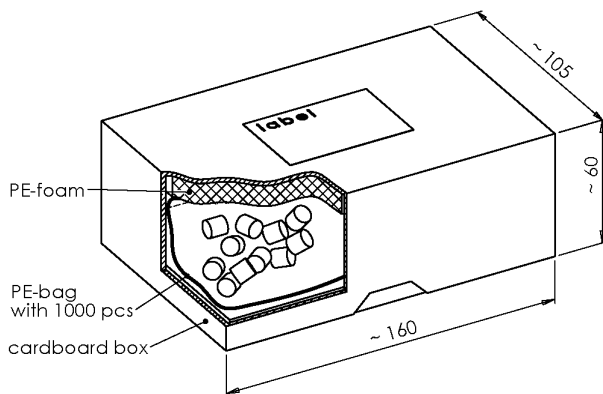
Dimensional drawing in mm



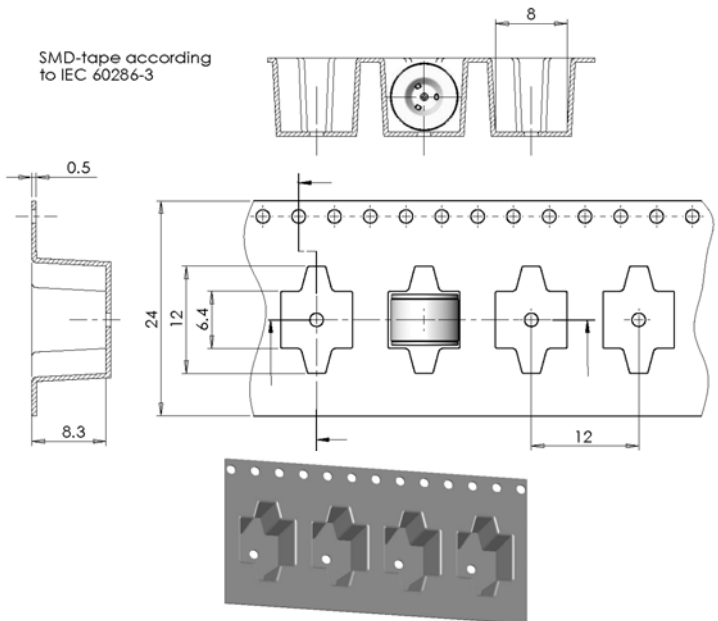
Ordering codes and packing advices

B88069X1410C103 = 1000 pcs in container

B88069X1410T602 = 600 pcs on SMD tape



SMD-tape according to IEC 60286-3



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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