



Surge arrester

2-electrode arrester

Series/Type: M50-C90X
Ordering code: B88069X1590C253
Date: 2015-08-03
Version: 04

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Surge arrester
B88069X1590C253
2-electrode arrester
M50-C90X
Features

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

Applications

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

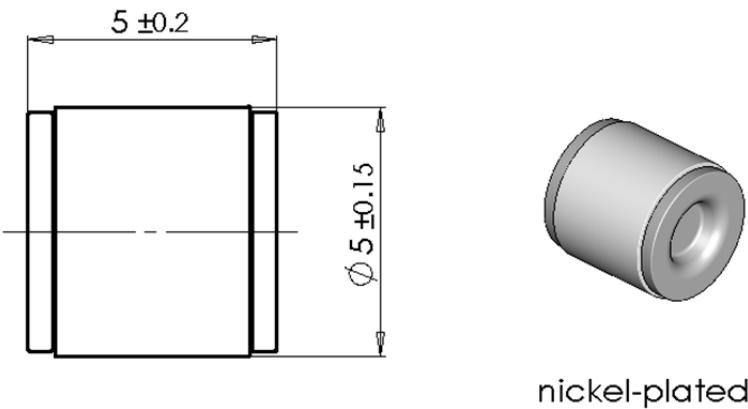
Electrical specifications

DC spark-over voltage ^{1) 2)}	90	V
Tolerance	±20	%
Min.	72	V
Max.	108	V
Impulse spark-over voltage		
at 100 V/μs	- for 99% of measured values	V
	- typical values of distribution	V
at 1 kV/μs	- for 99% of measured values	V
	- typical values of distribution	V
Service life		
10 operations	50 Hz, 1 s	A
1 operations	50 Hz, 0.18 s (9 cycles)	A
10 operations	8/20 μs	kA
1 operation	8/20 μs	kA
1 operation	10/350 μs	kA
300 operations	10/1000 μs	A
Insulation resistance at 50 V _{DC}	> 1	GΩ
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A	~ 15	V
Glow to arc transition current	< 0.8	A
Glow voltage	~ 60	V
Weight	~ 1	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/090/21	
Marking, blue negative	EPCOS 90 YY 0 90 - Nominal voltage YY - Year of production O - Non radioactive	
Certifications	UL 497B (E163070)	

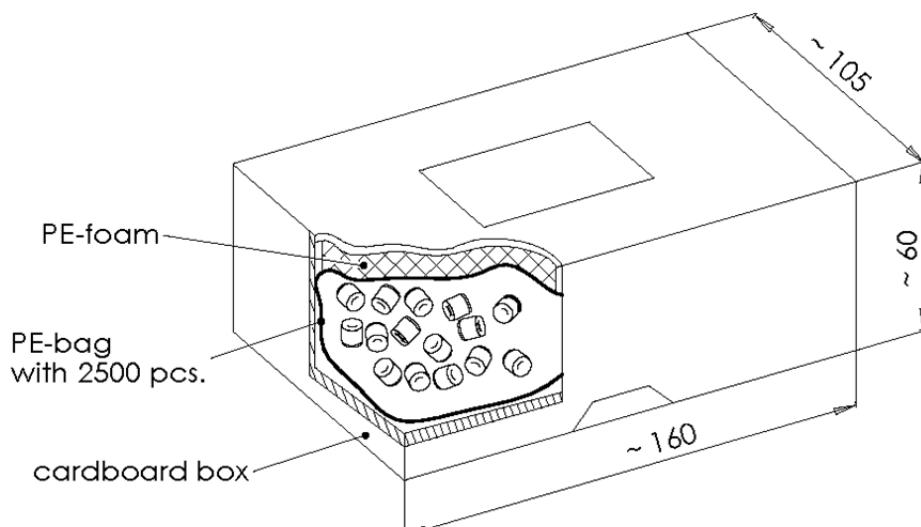
¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

²⁾ In ionized mode

Terms in accordance with ITU-T Rec. K.12; IEC 61663-2 and IEC 61643-311.

Dimensional drawing in mm**Ordering code and packing advice**

B88069X1590C253 = 2500 pcs. in container



Surge arrester**B88069X1590C253****2-electrode arrester****M50-C90X****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.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.

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Тел: +7 (812) 336 43 04 (многоканальный)
Email: org@lifeelectronics.ru