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

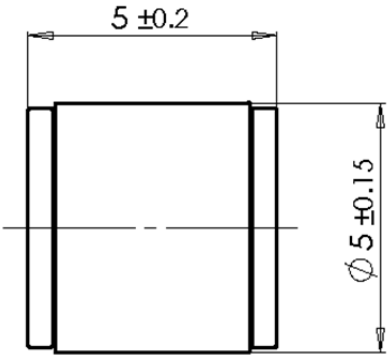
Electrical specifications

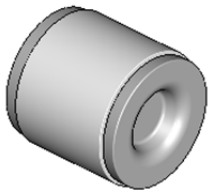
DC spark-over voltage [1) 2)]		90	V
Tolerance		±20	%
Min.		72	V
Max.		108	V
Impulse spark-over voltage			
at 100 V/µs	- for 99% of measured values	< 550	V
	- typical values of distribution	< 500	V
at 1 kV/µs	- for 99% of measured values	< 600	V
	- typical values of distribution	< 550	V
Service life			
10 operations	50 Hz, 1 s	5	A
1 operations	50 Hz, 0.18 s (9 cycles)	10	A
10 operations	8/20 µs	5	kA
1 operation	8/20 µs	10	kA
1 operation	10/350 µs	0.5	kA
300 operations	10/1000 µs	100	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 O 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

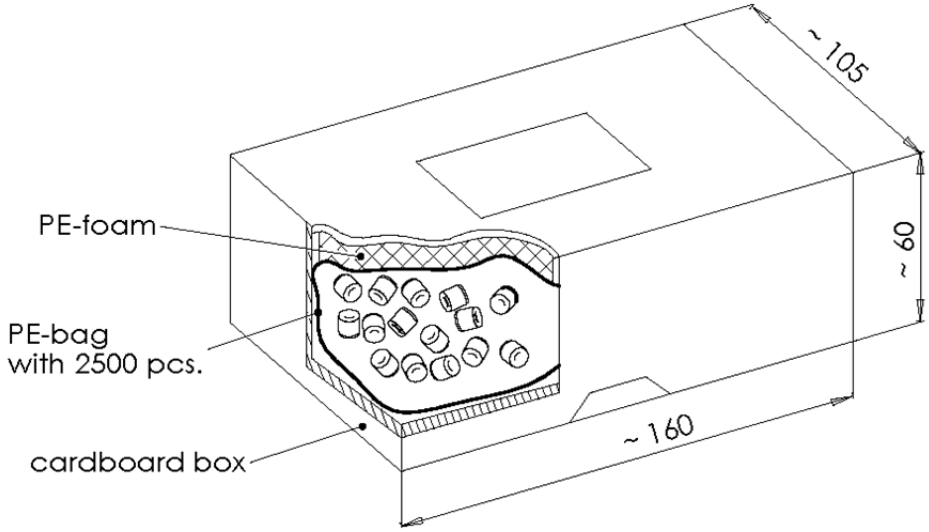




nickel-plated

Ordering code and packing advice

*B88069X1590**C253** = 2500 pcs. in container*



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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Release 2018-10

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