

2-electrode arrester

Series/Type: Ordering code:	M51-C90X B88069X5010****
Date:	2015-08-03
Version:	10

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2-electrode arrester

B88069X5010****

M51-C90X

Features

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

Electrical specifications

Applications

- Modem
- **XDSL-splitter**
- Data lines
- Tuner
- Antenna н.

DC spark-over voltage ^{1) 2)} Tolerance	90 ±20	V %
Min.	72	V
Max.	108	V
Impulse spark-over voltage		
at 100 V/µs - for 99% of measured values	< 400	V
 typical values of distribution 	< 300	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	А
1 operation 50 Hz, 0.18 s (9 cycles)	10	А
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	А
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	А
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 O90- Nominal voltageYY- Year of productionO- Non radioactive	
Certifications	UL 497B (E163070)	A L

At delivery AQL 0.65 level II, DIN ISO 2859
 In ionized mode

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

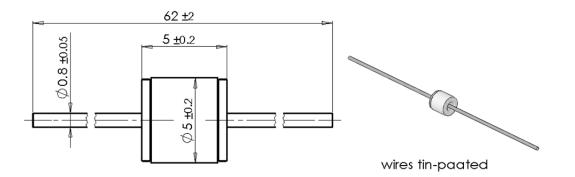
PPD AB PD / PPD AB PM



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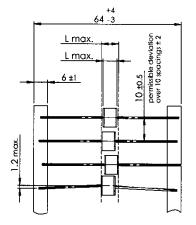
Dimensional drawing in mm



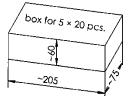
Ordering code and packing advice

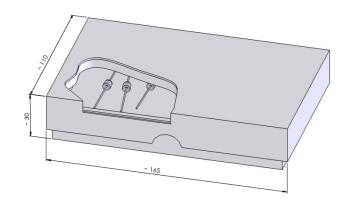
B88069X5010**S102** = 100 pcs. on 5 taped stripes

B88069X5010**C102** = 100 pcs. in container



tape acc. to IEC 60286-1







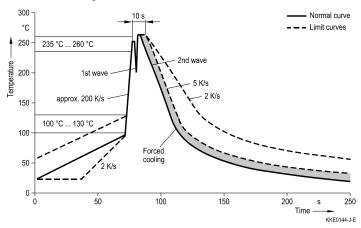
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Soldering parameter

Wave soldering



Wave profile features	Pb-free assembly
Solder	Sn 95.5 / Ag 3.8 / Cu 0.7
Solder bath temperature	263 (±3) °C
Dwell time	< 3 s

Soldering profile applied to a single soldering process.

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.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.

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