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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Surge arrester

2-electrode arrester

Series/Type: M50-A230X

Ordering code: B88069X4600C253

Version/Date: Issue 04 / 2007-04-18

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B88069X4600C253 Surge arrester

#### 2-electrode arrester M50-A230X

Features	Applications
<ul> <li>Very small size</li> </ul>	Branch exchange
<ul> <li>High current rating</li> </ul>	<ul><li>Line protection</li></ul>
<ul> <li>Very fast response time</li> </ul>	<ul> <li>Subscriber protection</li> </ul>
<ul> <li>Stable performance over life</li> </ul>	<ul> <li>Alarm system</li> </ul>
<ul> <li>Very low capacitance</li> </ul>	
<ul> <li>High insulation resistance</li> </ul>	
<ul> <li>RoHS-compatible</li> </ul>	

### **Electrical specifications**

DC spark-over voltage 1) 2)	230 ± 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	Α
10 operations 8/20 μs	5	kA
1 operation 8/20 μs	10	kA
1 operation 10/350 μs	0.5	kA
Insulation resistance at 100 V <sub>DC</sub>	> 1	$G\Omega$
Capacitance at 1 MHz	< 1	рF
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 15 ~ 0.5 ~ 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 230 YY O 230 - Nominal voltage YY - Year of production O - Non radioactive	

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

Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845

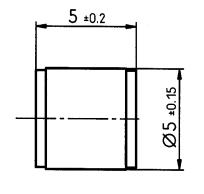
KB AB E / KB AB PM Issue 04 / 2007-04-18



Surge arrester B88069X4600C253

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### **Dimensional drawing**



nickel-plated

Not to scale

Dimensions in mm

Non controlled document

### **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 lead contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.



#### Important notes

The following applies to all products named in this publication:

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