

Surge arrester

2-electrode arrester

Series/Type: Ordering code: M50-A230X

B88069X4600C253

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



B88069X4600C253 Surge arrester

2-electrode arrester M50-A230X

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

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	А
10 operations 8/20 μs	5	kA
1 operation $8/20 \mu s^{3)}$	10	kA
1 operation 10/350 μs	0.5	kA
Insulation resistance at 100 V _{dc}	> 1	$G\Omega$
Capacitance at 1 MHz	< 1	pF
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

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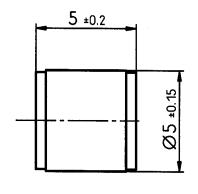
³⁾ Electrical specifications may vary after stress test but device will remain in a safe mode



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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.



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