



Surge arrester

3-electrode arrester

Series/Type: T23-A350XF4
Ordering code: B88069X7000B502
Version/Date: Issue 03 / 2007-04-23

Features	Applications
<ul style="list-style-type: none"> ▪ Standard size ▪ Fast response time ▪ High current rating ▪ Stable performance over life ▪ Very low capacitance ▪ High insulation resistance ▪ Reliable failsafe device ▪ RoHS-compatible 	<ul style="list-style-type: none"> ▪ Branch exchange (MDF) ▪ Line protection ▪ Station protection

Electrical specifications

DC spark-over voltage ^{1) 2) 4)}	350 ± 20	V %
Impulse spark-over voltage ⁴⁾		
at 100 V/μs - for 99 % of measured values	< 650	V
- typical values of distribution	< 550	V
at 1 kV/μs - for 99 % of measured values	< 700	V
- typical values of distribution	< 600	V
Service life		
10 operations 50 Hz, 1 s ⁵⁾	10	A
1 operation 50 Hz, 0.18 s (9 cycles) ⁵⁾	50	A
10 operations 8/20 μs ⁵⁾	20	kA
1 operation 8/20 μs ⁵⁾	25	kA
1 operation 10/350 μs ⁵⁾	5	kA
300 operations 10/1000 ⁵⁾	200	A
Insulation resistance at 100 V _{dc} ⁴⁾	> 10	GΩ
Capacitance at 1 MHz ⁴⁾	< 1.5	pF
Transverse delay time ³⁾	< 0.2	μs
Arc voltage at 1 A	~ 30	V
Glow to arc transition current	~ 1	A
Glow voltage	~ 200	V
Weight	~ 2.5	g
Storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue negative	EPCOS 350 YY O 350 - Nominal voltage YY - Year of production O - Non radioactive	

Important notes

The following applies to all products named in this publication:

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2. We also point out that **in individual cases, a malfunction of passive electronic components or failure before the end of their usual service life cannot be completely ruled out in the current state of the art, even if they are operated as specified**. In customer applications requiring a very high level of operational safety and especially in customer applications in which the malfunction or failure of a passive electronic component could endanger human life or health (e.g. in accident prevention or life-saving systems), it must therefore be ensured by means of suitable design of the customer application or other action taken by the customer (e.g. installation of protective circuitry or redundancy) that no injury or damage is sustained by third parties in the event of malfunction or failure of a passive electronic component.
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4. In order to satisfy certain technical requirements, **some of the products described in this publication may contain substances subject to restrictions in certain jurisdictions (e.g. because they are classed as “hazardous”)**. Useful information on this will be found in our Material Data Sheets on the Internet (www.epcos.com/material). Should you have any more detailed questions, please contact our sales offices.
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