



## Surge arrester

3-electrode arrester

**Series/Type:** T23-A420XF4  
**Ordering code:** B88069X7140B502  
Version/Date: Issue 06 / 2007-04-23

Features	Applications
<ul style="list-style-type: none"> <li>▪ Standard size</li> <li>▪ Fast response time</li> <li>▪ Very high current rating</li> <li>▪ Stable performance over life</li> <li>▪ Very low capacitance</li> <li>▪ High insulation resistance</li> <li>▪ RoHS-compatible</li> </ul>	<ul style="list-style-type: none"> <li>▪ Line protection</li> <li>▪ Station protection</li> <li>▪ Base stations</li> </ul>

**Electrical specifications**

DC spark-over voltage <sup>1) 2) 4)</sup>	350 ... 550	V
Impulse spark-over voltage <sup>4)</sup>		
at 100 V/μs - for 99 % of measured values	< 750	V
- typical values of distribution	< 700	V
at 1 kV/μs - for 99 % of measured values	< 850	V
- typical values of distribution	< 800	V
Service life		
10 operations      50 Hz; 1 s <sup>5)</sup>	10	A
1 operation       50 Hz; 9 cycles <sup>5)</sup>	50	A
10 operations     8/20 μs <sup>5)</sup>	20	kA
1 operation       8/20 μs <sup>5)</sup>	25	kA
1 operation       10/350 μs <sup>5)</sup>	5	kA
Insulation resistance at 100 V <sub>dc</sub> <sup>4)</sup>	> 10	GΩ
Capacitance at 1 MHz <sup>4)</sup>	< 1.5	pF
Transverse delay time <sup>3)</sup>	< 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	<b>EPCOS</b> <b>420 YY M O</b> 420 - Nominal voltage YY - Year of production M - Month of production (1 ... 9 = Jan ... Sep; O ... D = Oct ... Dec) O - Non radioactive	



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