

Surge arrester

2-electrode arrester

Series/Type: Ordering code: EC75X

B88069X0180xxxx a) Issue 04 / 2007-04-19 Version/Date:



Surge arrester B88069X0180xxxx a)
2-electrode arrester EC75X

Features	Applications	
 Standard size 	■ Modem	
 High current rating 	 XDSL-splitter 	
 Very fast response time 	Data lines	
 Stable performance over life 	■ Tuner	
 Very low capacitance 	Antenna	
 High insulation resistance 		
 RoHS-compatible 		

Electrical specifications

DC spark-over voltage 1) 2)	75	V
DC Spark-over voltage	± 20	\\\
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Impulse spark-over voltage at 100 V/µs - for 99 % of measured values	< 500	V
- typical values of distribution	< 400	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	Α
1 operation 50 Hz, 0.18 s (9 cycles)	20	Α
10 operations 8/20 μs	5	kA
1 operation 8/20 μs	10	kA
1 operation 10/350 μs	1	kA
Insulation resistance at 50 V _{dc}	> 10	$G\Omega$
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A	~ 12	V
Glow to arc transition current	~ 0.8	Α
Glow voltage	~ 80	V
Weight	~ 1.5	g
Operation and storage temperature	-40 + 90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red positive	EPCOS EC 75 YY O	
	EC - Series 75 - Nominal voltage	
	YY - Year of production	
	O - Non radioactive	

a) xxxx = \$102 (100 pcs on 5 taped stripes) T502 (500 pcs on tape and reel)

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

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¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

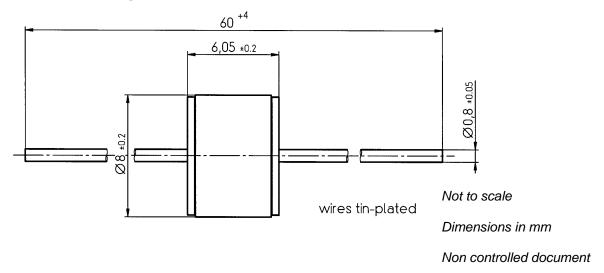
²⁾ In ionized mode



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Dimensional drawing



Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in the event of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In the event of overload, the head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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