

Surge arrester

2-electrode arrester

 Series/Type:
 M51-A350X

 Ordering code:
 B88069X4640C102

 Version/Date:
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Surge arrester

2-electrode arrester

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M51-A350X

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)}	350 ± 20	V %	
Impulse spark-over voltage at 100 V/µs - for 99 % of measured values - typical values of distribution	< 800 < 750	VVV	
at 1 kV/µs - for 99 % of measured values - typical values of distribution	< 900 < 800	V V	
Service life			
10 operations 50 Hz, 1 s	5	A	
1 operation 50 Hz, 0.18 s (9 cycles)	10	A	
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_{dc}	> 1	GΩ	
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	40/ 90/ 21	
Marking, blue negative	YY - Year of product	350 - Nominal voltage YY - Year of production	

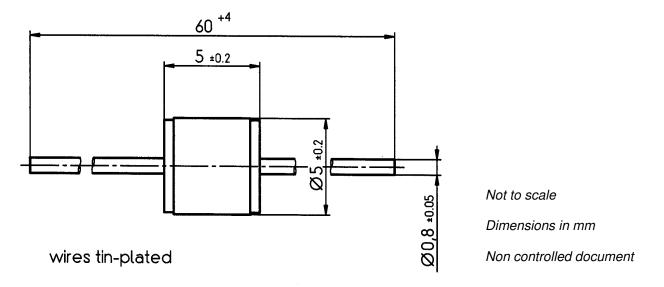
¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859 ²⁾ In ionized mode

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



Surge arrester B8806	69X4640C102
2-electrode arrester	M51-A350X

Dimensional drawing



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

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