

Surge arrester

2-electrode arrester

 Series/Type:
 M50-A230X

 Ordering code:
 B88069X4600C253

 Version/Date:
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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 value - typical values of distributio		V V	
at 1 kV/µs - for 99% of measured value - typical values of distributio		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		230 - Nominal voltage YY - Year of production	

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

2)

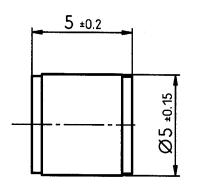
Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845

⇔TDK

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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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