

Surge arrester

2-electrode arrester

Series/Type: N81-A90X Ordering code: B88069X4

Ordering code: B88069X4880S102

Version/Date: Issue 04 / 2006-08-31



Surge arrester B88069X4880S102

2-electrode arrester N81-A90X

Features	Applications
 Standard size 	■ Modem
 Very 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)	90 ± 20	V %	
Impulse spark-over voltage			
at 100 V/µs - for 99 % of measured values - typical values of distribution	< 500 < 450	V	
at 1 kV/µs - for 99 % of measured values - typical values of distribution	< 600 < 550	V	
Service life			
10 operations 50 Hz, 1 s	10	Α	
1 operation 50 Hz, 0.18 s (9 cycles)	65	Α	
10 operations 8/20 μs	10	kA	
1 operation 8/20 μs	12	kA	
1 operation 10/350 μs	1	kA	
300 operations 10/1000 μs	100	Α	
Insulation resistance at 50 V _{dc}	> 10	$G\Omega$	
Capacitance at 1 MHz	< 1.5	pF	
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 15 ~ 0.5 ~ 60	V A V	
Weight	~ 1.5	g	
Operation and storage temperature	-40 +90	°C	
Climatic category (IEC 60068-1)	40/ 90/ 21		
Marking, red negative	YY - Year of produc	90 - Nominal voltage YY - Year of production	

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

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²⁾ In ionized mode

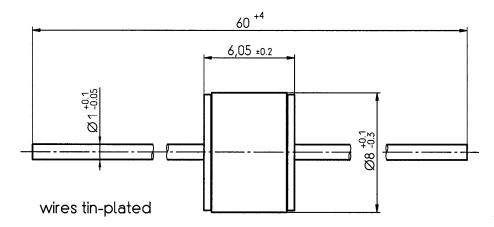
Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845



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Dimensional drawing



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



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