

Surge arrester

2-electrode arrester

Series/Type: N81-A90X Ordering code: B88069X4

Ordering code: B88069X4880S102

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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 - for99 % of measured values - typical values of distribution	< 500 < 450	V
at 1 kV/µs - for99 % 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 EPCOS 90 YY O 90 - Nominal volt YY - Year of prod O - Non radioact		tion

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

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

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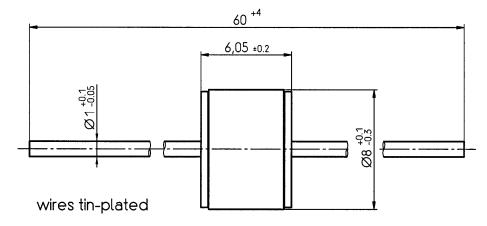
²⁾ In ionized mode



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



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