

Surge arrester

2-electrode arrester

Series/Type: N80-A230X

Ordering code: B88069X4900xxxx a)

Version/Date: Issue 04 / 2006-01-18

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Surge arrester B88069X4900xxxx ^{a)}

2-electrode arrester N80-A230X

Features	Applications
 Standard size 	Branch exchange (MDF)
 Fast response time 	Line protection
High current rating	 Subscriber protection
 Stable performance over life 	
 Very low capacitance 	
 High insulation resistance 	
 RoHS-compatible 	

Electrical specifications

DC spark-over voltage 1) 2)	230	V
	± 20	%
Impulse spark-over voltage		
at 100 V/µs - for 99 % of measured values	< 550	V
 typical values of distribution 	< 500	V
at 1 kV/µs - for 99 % of measured values	< 700	V
 typical values of distribution 	< 600	V
Service life 8)		
10 operations 50 Hz; 1 s	10	A_{rms}
1 operation 50 Hz; 0.18 s (9 cycles)	65	A_{rms}
1 operation 10/350 μs	2.5	kA
10 operations 8/20 µs	10	kA
1 operation 8/20 µs	12	kA
300 operations 10/1000 μs	100	А
Insulation resistance at 100 V _{dc}	> 10	$G\Omega$
Capacitance at 1 MHz	< 1.5	pF
Arc voltage at 1 A	~ 12	V
Glow to arc transition current	~ 0.5	Α
Glow voltage	~ 60	V
Weight	~ 1.5	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red negative	EPCOS 230 YY O 230 - Nominal voltage YY - Year of production O - Non radioactive	

a) xxxx = C103 (container with 1000 pcs.) = C403 (container with 4000 pcs.)

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

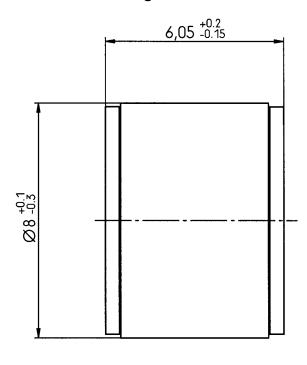
²⁾ In ionized mode



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Dimensional drawing



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



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