



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

Electrical specifications

DC spark-over voltage ^{1) 2)}	230 ± 20	V %
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	A
Insulation resistance at 100 V _{dc}	> 10	GΩ
Capacitance at 1 MHz	< 1.5	pF
Arc voltage at 1 A	~ 12	V
Glow to arc transition current	~ 0.5	A
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	

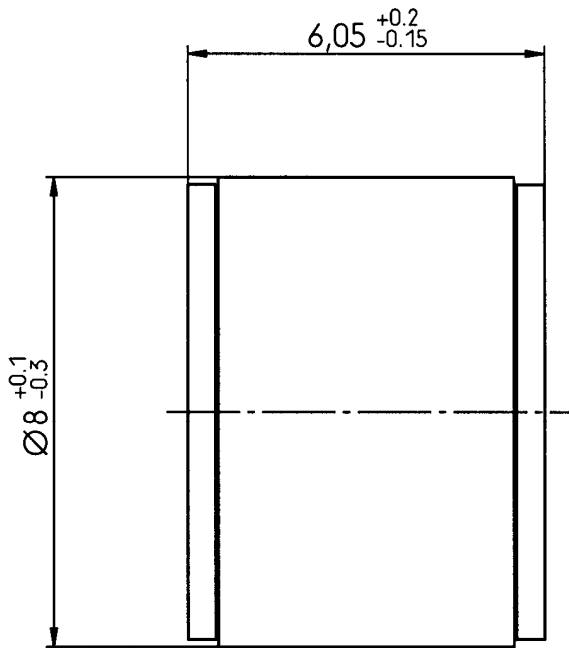
^{a)} xxxx = C103 (container with 1000 pcs.)
 = C403 (container with 4000 pcs.)

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

Dimensional drawing



Not to scale

Dimensions in mm

Non controlled document

nickel-plated

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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