



Surge arrester

2-electrode arrester

Series/Type: N80-A350X
Ordering code: B88069X4910C103
Version/Date: Issue 05 / 2013-08-29

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Surge arrester

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2-electrode arrester

N80-A350X

Features

- Standard size
- Fast response time
- High current rating
- Stable performance over life
- Very low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- Branch exchange (MDF)
- Line protection
- Subscriber protection

Electrical specifications

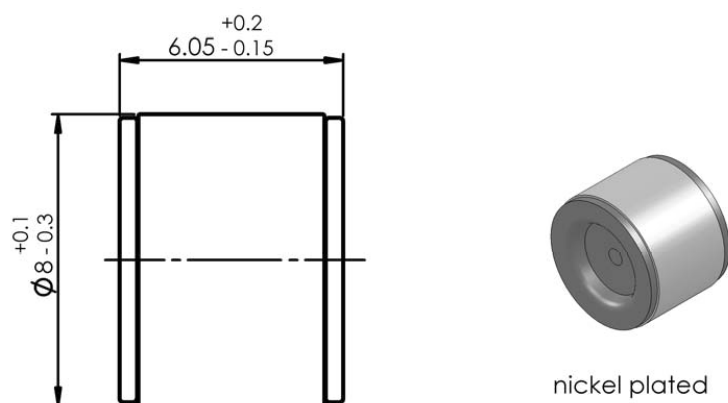
DC spark-over voltage ^{1) 2)}		350 ± 20	V %
Impulse spark-over voltage			
at 100 V/μs	- for 99% of measured values - typical values of distribution	< 700 < 650	V V
at 1 kV/μs	- for 99% of measured values - typical values of distribution	< 900 < 800	V V
Service life			
10 operations	50 Hz, 1 s	10	A
1 operation	50 Hz, 0.18 s (9 cycles)	65	A
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	A
Insulation resistance at 50 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 350 YY O 350 - Nominal voltage YY - Year of production O - Non radioactive	

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

²⁾ In ionized mode

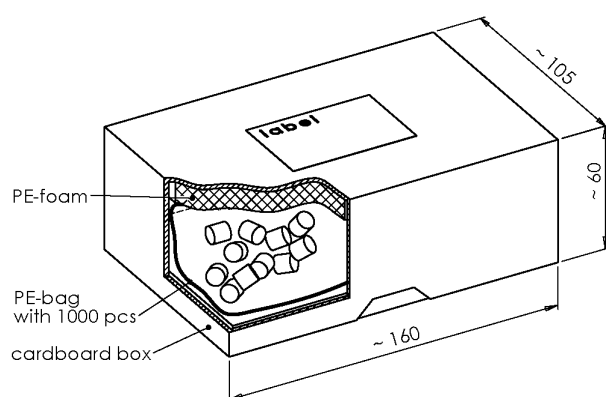
Terms and current waveforms in accordance with: ITU-T Rec. K. 12 ; IEC 61663-2 and IEC 61643-311.

Dimensional drawing in mm



Ordering codes and packing advices

B88069X4910C103 = 1000 pcs. in container



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.
- Surge arresters must be handled with care and must not be dropped.
- Damaged surge arresters must not be re-used.

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Website :

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Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com