Surge arrester

2-electrode arrester

Series/Type:	**A83-A170X**
Ordering code:	**B88069X4360C102**
Date:	2015-04-20
Version:	02

Surge arrester — B88069X4360C102

2-electrode arrester — A83-A170X

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

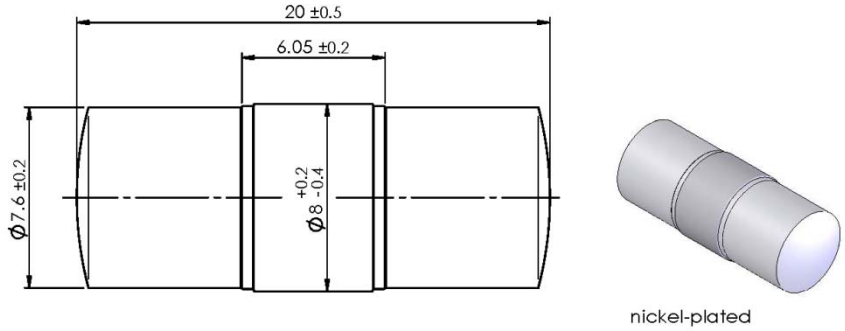
Electrical specifications

DC spark-over voltage [1) 2)]		170	V
Tolerance		±20	%
Min.		136	V
Max.		204	V
Impulse spark-over voltage			
at 100 V/µs	- for 99% of measured values	< 650	V
	- typical values of distribution	< 500	V
at 1 kV/µs	- for 99% of measured values	< 800	V
	- typical values of distribution	< 600	V
Service life			
10 operations	50 Hz, 1 s	20	A
1 operations	50 Hz, 0.18 s (9 cycles)	100	A
10 operations	8/20 µs	20	kA
1 operation	8/20 µs	25	kA
1 operation	10/350 µs	2.5	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		~ 15	V
Glow to arc transition current		< 0.5	A
Glow voltage		~ 60	V
Weight		~ 2.5	g
Operation and storage temperature		–40 ... +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, black positive		**EPCOS 170 YY O** 170 - Nominal voltage YY - Year of production O - Non radioactive	

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode

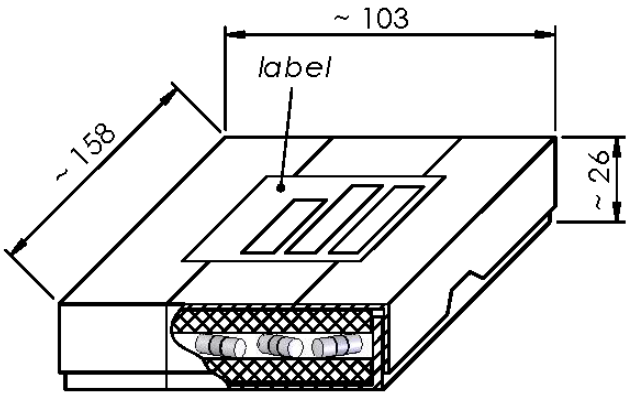
Terms in accordance with ITU-T Rec. K.12; IEC 61663-2 and IEC 61643-311.

Dimensional drawing in mm



Ordering code and packing advice

*B88069X4360**C102** = 100 pcs. in container*



Cautions and warnings

- Do not operate surge arresters in power supply networks, whose maximum operating voltage exceeds the minimum spark-over voltage of the surge arresters.
- Surge arresters may become hot in the event of longer periods of current stress (burn risk). In the event of overload the connectors may fail or the component may be destroyed.
- If the contacts of the surge arresters are defective, current load can cause sparks and loud noises.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.

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