

Surge arrester

2-electrode arrester

 Series/Type:
 A83-C90X

 Ordering code:
 B88069X1450C102

 Date:
 2019-07-03

 Version:
 03

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A83-C90X

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Surge arrester

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Features

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

Electrical specifications

Applications

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

DC spark-over voltage 1) 2)		90	V
Tolerance		±20	%
Min.		72	V
Max.		108	V
Impulse spark-over voltage			
	9% of measured values	< 500	V
	al values of distribution	< 450	V
	9% of measured values	< 600	V
- typic	al values of distribution	< 550	V
Service life			
10 operations	50 Hz, 1 s	20	A
1 operation	50 Hz; 0.18 s (9 cycles)	100	А
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 50 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	А
Glow voltage		~ 60	V
Weight		~ 2.5	g
Operation and storage temperature		-40 +125	°C
Climatic category (IEC 60068-1)		40/125/21	
Marking, black positive		EPCOS 90 YY O90- Nominal voltageYY- Year of productionO- Non radioactive	
Certification		UL 497B (E16307	0) 😱
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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 IEC 61643-311.

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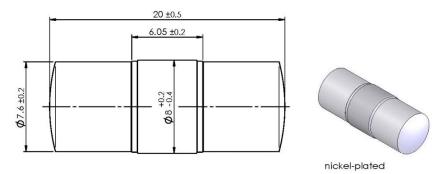


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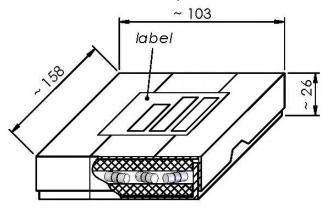
B88069X1450C102 A83-C90X

Dimensional drawing in mm



Ordering code and packing advice

B88069X1450C102 = 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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