

Surge arrester

2-electrode arrester

Version:

 Series/Type:
 A83-A600X

 Ordering code:
 B88069X2890C102

 Date:
 2019-07-03

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A83-A600X

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Surge arrester

2-electrode arrester

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

Electrical specifications			
DC spark-over voltage ^{1) 2)}		600	V
Tolerance		±20	%
Min. Max.		480 720	V V
at 100 V/µs - for 99% of measured values		< 1100	V
21	ical values of distribution	< 950	V
	99% of measured values	< 1400	V
- typ	ical values of distribution	< 1100	V
Service life			
10 operations	50 Hz, 1 s	20	А
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	А
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 +125	°C
Climatic category (IEC 60068-1)		40/125/21	
Marking, black positive		EPCOS 600 YY O600- Nominal voltageYY- Year of productionO- Non radioactive	
Certification		UL 497B (E163070)	R L
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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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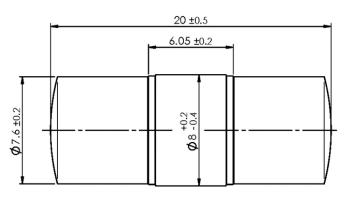


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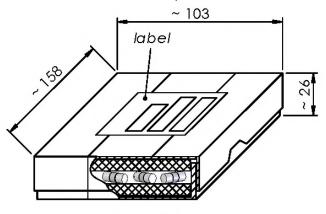
Dimensional drawing in mm





Ordering code and packing advice

B88069X2890C102 = 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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