

Surge arrester

3-electrode arrester

Series/Type: T20-A250X

Ordering code: B88069X8810C203

Date: 2019-08-15

Version: 07

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Surge arrester B88069X8810C203

3-electrode arrester T20-A250X

Features

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

Applications

- Line protection
- Station protection
- Base stations

Electrical specifications

DC spark-over voltage 1) 2) 3)		250	V
Tolerance		±20	%
Min.		200	V
Max.		300	V
Impulse spark-over voltage 3)			
at 100 V/µs - for 99% of measured values		< 500	V
- typical values	of distribution	< 400	V
at 1 kV/µs - for 99% of measured values		< 600	V
- typical values	of distribution	< 550	V
Service life			
10 operations	50 Hz; 1 s ⁴⁾	20	Α
1 operation	50 Hz; 0.18 s (9 cycles) 4)	50	Α
10 operations [5x (+) & 5x (-)]	8/20 μs ⁴⁾	20	kA
10 operations	8/20 μs ⁶⁾	20	kA
1 operation	8/20 μs ⁴⁾	25	kA
2 operations	10/350 μs ⁴⁾	5	kA
300 operations	10/1000 µs ⁴⁾	200	А
Insulation resistance at 100 V _{DC} ³⁾		> 10	$G\Omega$
Capacitance at 1 MHz ³⁾		< 1.5	pF
Transverse delay time 5)		< 0.2	μs
Arc voltage at 1 A		~ 35	V
Glow to arc transition current		< 1	Α
Glow voltage		~ 200	V
Weight		~ 2	g
Operation and storage temperature		-40 + 125	°C
Climatic category (IEC 60068-1)		40/125/21	
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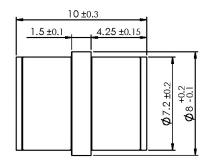
3-electrode arrester T20-A250X

Marking, blue negative	EPCOS 250 YY O		
	250 - Nominal voltage YY - Year of production O - Non radioactive		
Certifications	UL 497B (E163070)		

At delivery AQL 0.65 level II, DIN ISO 2859

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

Dimensional drawing in mm

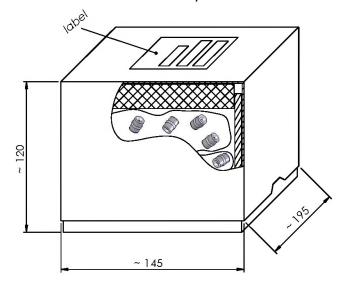




nickel-plated

Ordering code and packing advice

B88069X8810**C203** = 2000 pcs. in container



PPD AB PD / PPD AB PM Version: 07 / 2019-08-15

²⁾ In ionized mode

³⁾ Tip or ring electrode to center electrode

Total current through center electrode, half value through tip respectively ring electrode.

Test according to ITU-T Rec. K.12

⁶⁾ Total current through center electrode, tip to ring shorted



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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.
- If the contacts of the surge arresters are defective, current load can cause sparks and loud noises.
- 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.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.

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