

# Surge arrester

3-electrode arrester

 Series/Type:
 T20-A260X

 Ordering code:
 B88069X7110C203

 Date:
 2019-08-15

 Version:
 03

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T20-A260X

B88069X7110C203

# Surge arrester

# 3-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
- Station protection

Electrical specifications			
DC spark-over voltage <sup>1) 2) 3)</sup>		260	V
Tolerance at 100 V/s		210 330	V
Tolerance at 100 kV/s		210 350	V
Impulse spark-over voltage 3)			
at 1 kV/µs - for 99% of measured values		220 650	V
Service life <sup>8)</sup>			
100 operations	50 Hz; 1 s <sup>5) 7)</sup>	1	А
20 operations	50 Hz; 1 s <sup>5) 6)</sup>	5	А
20 operations	50 Hz; 1 s <sup>4) 6)</sup>	10	А
10 operations [5× (+) & 5×(–)]	8/20 μs <sup>5)</sup>	5	kA
10 operations [5× (+) & 5×(–)]	8/20 μs <sup>4)</sup>	10	kA
300 operations, alternating polarity	10/1000 μs <sup>5)</sup>	100	А
300 operations, alternating polarity	10/1000 $\mu$ s $^{4)}$	200	А
DC holdover voltage <sup>8)</sup>			
at 80 V <sub>DC</sub> / 600 $\Omega$		< 150	ms
at 120 V <sub>DC</sub> / 600 $\Omega$		< 150	ms
Insulation resistance at 100 V <sub>DC</sub> <sup>3)</sup>		> 10	GΩ
Capacitance at 1 MHz <sup>3)</sup>		< 1.5	pF
Weight		~ 2	g
Operation and storage temperature		-40 +125	°C
Climatic category (IEC 60068-1)		40/125/21	
Marking, blue negative		EPCOS 260 YY M O 260 - Nominal voltage YY - Year of production M - Month of production (1 9 = Jan Sep O D = Oct Dec) O - Non radioactive	
Certifications		UL 497B (E163070	
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#### PPD AB PD / PPD AB PM

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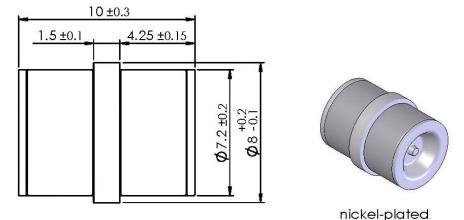
#### Surge arrester

### 3-electrode arrester

B88069X7110C203 T20-A260X

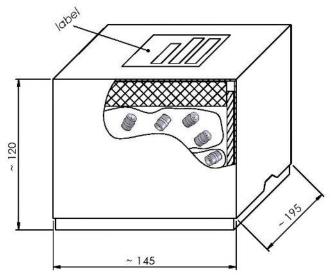
- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3) Tip or ring electrode to center electrode
- 4) Total current through center electrode, half value through tip respectively ring electrode
- 5) Total current through center electrode, same value through tip respectively ring electrode
- 6) Test program: 10 times (1 s current, 2 s break, 1 s current) 3 min break 7)
- Test program: 50 times (1 s current, 2 s break, 1 s current) 3 min break Test in accordance with France Telecom ST/FT R&D/8288 Surge Protective Devices (Sept. 2003) 8)

#### Dimensional drawing in mm



# Ordering code and packing advice

B88069X7110C203 = 2000 pcs. in container (2 PE-bags á 1000 pcs.)



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# **3-electrode arrester**

#### **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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