



Surge arrester

3-electrode arrester

Series/Type: T60-A260X
Ordering code: B88069X7120C203
Date: 2022-02-08
Version: 03

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B88069X7120C203		2024-05-03	2024-08-16	2024-11-15

Please contact your nearest TDK sales office if you need support in selecting a suitable substitute. The addresses of our worldwide sales network are presented at www.tdk-electronics.tdk.com/sales.

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Surge arrester

B88069X7120C203

3-electrode arrester

T60-A260X

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
- Station protection

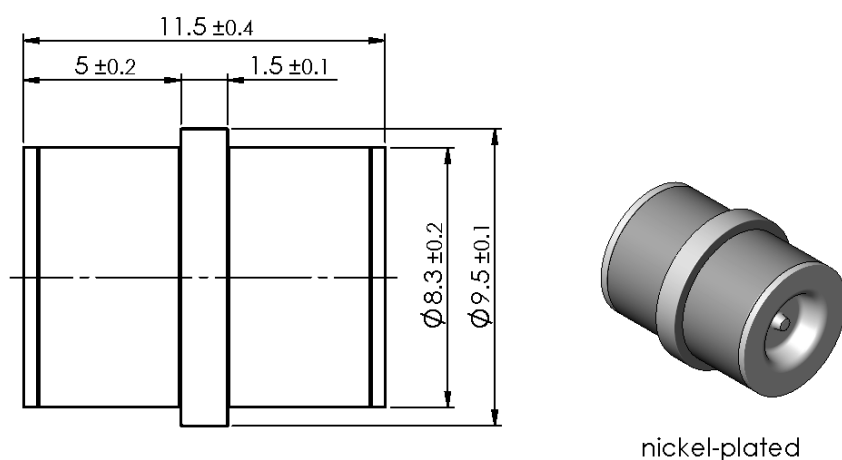
Electrical specifications

DC spark-over voltage ^{1) 2) 3)}	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 ⁸⁾		
100 operations 50 Hz; 1 s ^{5) 7)}	1	A
20 operations 50 Hz; 1 s ^{5) 6)}	10	A
20 operations 50 Hz; 1 s ^{4) 6)}	20	A
10 operations [5× (+) & 5×(-)] 8/20 μs ⁵⁾	10	kA
10 operations [5× (+) & 5×(-)] 8/20 μs ⁴⁾	20	kA
300 operations, alternating polarity 10/1000 μs ⁵⁾	200	A
300 operations, alternating polarity 10/1000 μs ⁴⁾	400	A
DC holdover voltage ⁸⁾		
at 80 V _{DC} / 600 Ω	< 150	ms
at 120 V _{DC} / 600 Ω	< 150	ms
Insulation resistance at 100 V _{DC} ³⁾	> 10	GΩ
Capacitance at 1 MHz ³⁾	< 1.5	pF
Weight	~ 3.0	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)	

Remarks on next page

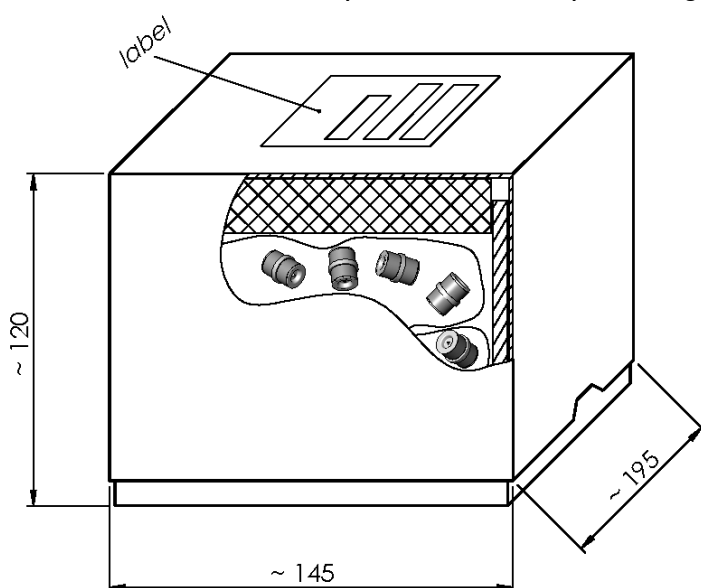
- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3) Tip or ring electrode to center electrode
- 4) Total current through center electrode, half value through tip respectively ring electrode
- 5) Total current through center electrode, same value through tip respectively ring electrode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

Dimensional drawing in mm



Ordering code and packing advice

B88069X7120C203 = 2000 pcs. in container (2 PE-bags á 1000 pcs.)



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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The following applies to all products named in this publication:

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2. We also point out that **in individual cases, a malfunction of electronic components or failure before the end of their usual service life cannot be completely ruled out in the current state of the art, even if they are operated as specified**. In customer applications requiring a very high level of operational safety and especially in customer applications in which the malfunction or failure of an electronic component could endanger human life or health (e.g. in accident prevention or life-saving systems), it must therefore be ensured by means of suitable design of the customer application or other action taken by the customer (e.g. installation of protective circuitry or redundancy) that no injury or damage is sustained by third parties in the event of malfunction or failure of an electronic component.
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Important notes

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Release 2020-06