



Surge arrester

2-electrode arrester

Series/Type: A81-A700XP2
Ordering code: B88069X1623****
Date: 2019-11-04
Version: 04


Features

- Very fast response time
- Stable performance over life
- High insulation resistance
- RoHS-compatible

Applications

- AC power line N-PE application
- Class II – surge protection

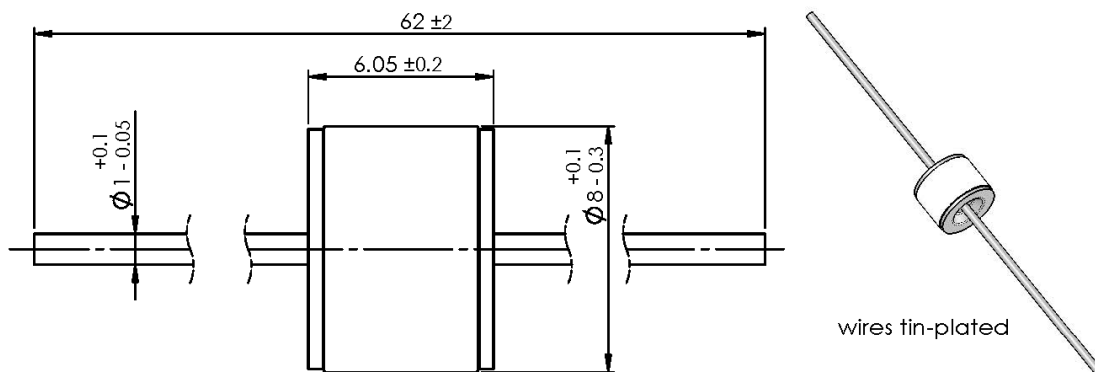
Electrical specifications

DC spark-over voltage ^{1) 2)}		> 550	V
Front of wave spark-over voltage - at 1.2/50 μ s, 6 kV		< 1500	V
Breakdown time - typical values		< 100 < 20	ns ns
Insulation resistance at 100 V _{DC}		> 1	G Ω
Class II according to IEC 61643-11			
Max. continuous operating voltage at 50/60 Hz	U _c	265	V
Nominal discharge current 8/20 μ s	I _n	10	kA
Maximum discharge current 8/20 μ s	I _{max}	20	kA
Follow current at 50/60 Hz	I _f	100	A
Weight		~ 3	g
Operation and storage temperature		-40 ... +125	°C
Climatic category (IEC 60068-1)		40/125/21	
Marking, blue positive		EPCOS 700 YY O 700 - Nominal voltage YY - Year of production O - Non radioactive	
Certifications		UL 1449 (E319264)	

¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

²⁾ In darkness without storage

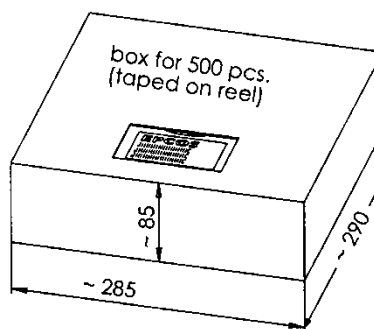
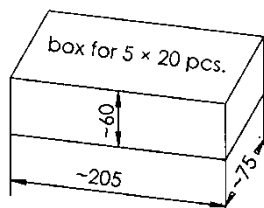
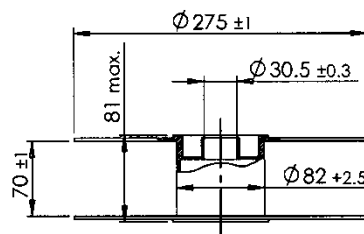
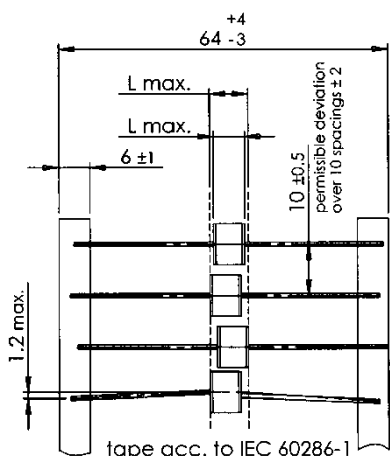
Dimensional drawing in mm



Ordering codes and packing advices

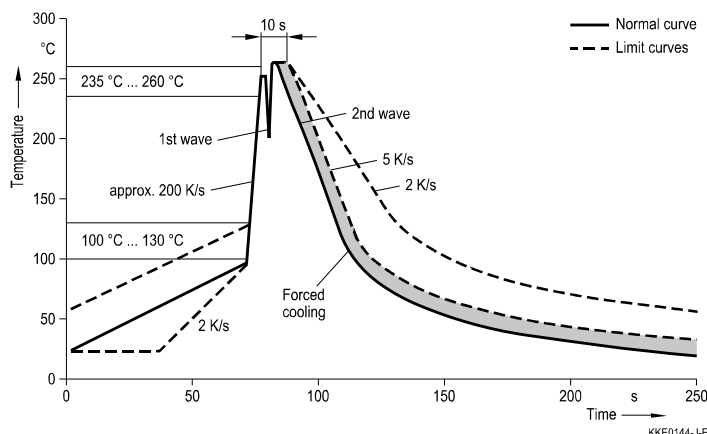
B88069X1623S102 = 100 pcs. on 5 taped stripes

B88069X1623T502 = 500 pcs. on tape & reel



Soldering parameter

Wave soldering



Wave profile features	Pb-free assembly
Solder	Sn 95.5 / Ag 3.8 / Cu 0.7
Solder bath temperature	263 (±3) °C
Dwell time	< 3 s

Soldering profile applied to a single soldering process.

Cautions and warnings

- The follow current must be limited (see values on page 2) so that the arrester can be properly extinguished when the surge has decayed. The arrester might otherwise heat up and ignite adjacent components.
- 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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Important notes

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Release 2018-10