Surge arrester

2-electrode arrester

Series/Type:	**A81-A800XP**
Ordering code:	**B88069X5701******
Date:	2018-10-23
Version:	05

Surge arrester B88069X5701****

2-electrode arrester A81-A800XP

Features

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

Applications

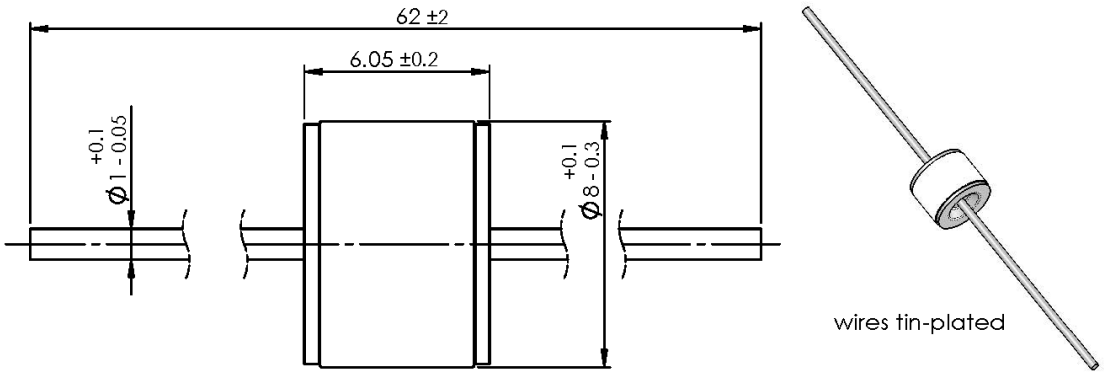
- AC power line N-PE application
- Class II – surge protection

Electrical specifications

DC spark-over voltage [1) 2)]		> 600	V
Front of wave spark-over voltage - at 1.2/50 µs, 6 kV; for 99% of measured values		< 1500	V
Breakdown time - typical values		< 100 < 20	ns ns
Insulation resistance at 100 V_{DC}		> 1	GΩ
Class II according to IEC 61643-11 Max. continuous operating voltage at 50/60 Hz Nominal discharge current 8/20 µs Maximum discharge current 8/20 µs Follow current at 50/60 Hz	 U_c I_n I_{max} I_f	 265 10 20 100	 V kA kA A
Weight		~ 3	g
Operation and storage temperature		-40 ... +90	°C
Climatic category (IEC 60068-1)		40/090/21	
Marking, blue positive		**EPCOS 800 YY O** 800 - Nominal voltage YY - Year of production O - Non radioactive	
Certifications		UL 1449 (E319264)	

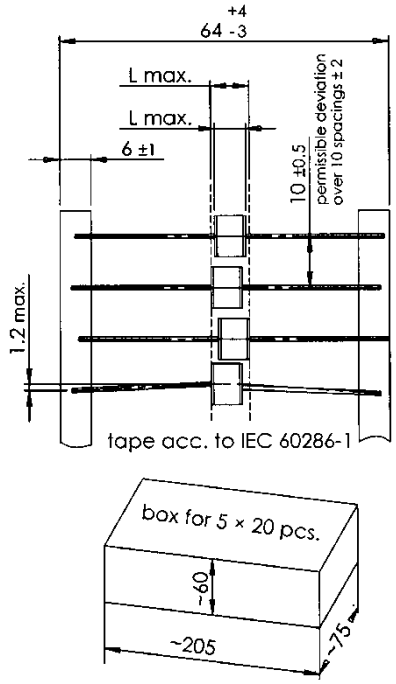
1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In darkness without storage

Dimensional drawing in mm

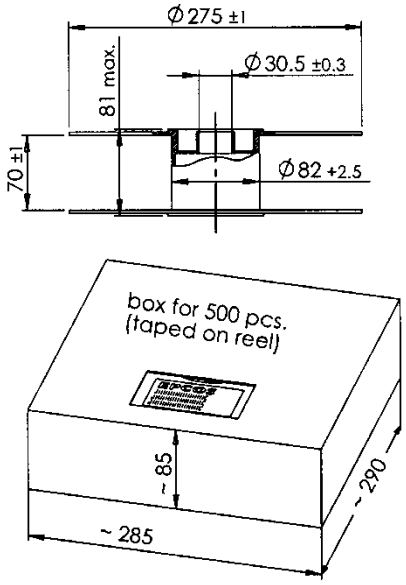


Ordering codes and packing advices

*B88069X5701**S102** = 100 pcs. on 5 taped stripes*



*B88069X5701**T502** = 500 pcs. on tape & reel*



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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