

Surge arrester

2-electrode arrester

Series/Type: D30A08-A800P1 Ordering code: B88069X6083B401

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Version: 01

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Surge arrester B88069X6083B401

2-electrode arrester D30A08-A800P1

Features

- Suitable for direct strikes
- Very fast response time
- Stable performance over life
- High insulation resistance
- RoHS-compatible

Applications

- AC power line N-PE application
- Class I surge protection

Electrical specifications

Electrical specifications		
DC spark-over voltage 1) 2)	> 450	V
Front of wave spark-over voltage - at 1.2/50 µs, 6 kV	< 1500	V
Breakdown time - typical values	< 100 < 40	ns ns
Insulation resistance at 100 V _{DC}	> 1	GΩ
Class I according to IEC 61643-11 Max. continuous operating voltage at 50/60 Hz Nominal discharge current 8/20 µs Impulse current 10/350 µs Follow current at 50/60 Hz AC discharge current (TOV ³) at 1200 V) 1 operation 50 Hz, 0.2 s Weight Operation and storage temperature	255 80 50 100 300 ~ 35 -40 +125	V kA kA A A g
Climatic category (IEC 60068-1)	40/125/21	
Marking, blue positive	EPCOS 800 YY O 800 - Nominal voltage YY - Year of production O - Non radioactive	
Certifications	UL 1449 (E319264)	c FL ° us

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

²⁾ In darkness without storage

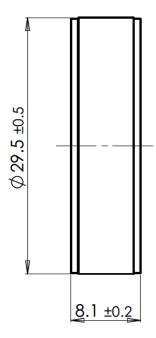
³⁾ TOV – Temporary over voltage



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Dimensional drawing in mm

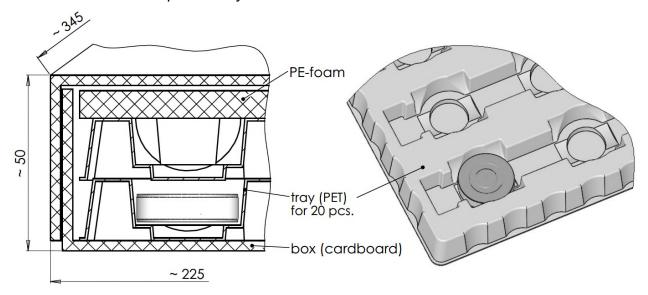




tin-plated

Ordering code and packing advice

B88069X6083B401= 40 pcs. on trays





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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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