

Surge arrester

2-electrode arrester

Series/Type: D3E13M-A800P1 Ordering code: B88069X7533B401

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B88069X7533B401

D3E13M-A800P1

Surge arrester

2-electrode arrester

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

DC spark-over voltage ^{1) 2)}	600	V
Tolerance	-20 +30	%
Min.	480	V
Max.	780	V
Front of wave spark-over voltage		
- at 1.2/50 µs, 6 kV	< 1500	V
Breakdown time	< 100	ns
- typical values	< 20	ns
Insulation resistance at 100 V_{DC}	> 1	GΩ
Class I according to IEC 61643-11		
Max. continuous operating voltage at 50/60 Hz U_c	264	V
Nominal discharge current 8/20 µs In	100	kA
Impulse current 10/350 µs I _{imp}	100	kA
Follow current at 50/60 Hz If	100	A
AC discharge current (TOV ³⁾)		
1 operation 50 Hz, 0.2 s	300	A
Weight	~ 50	g
Operation and storage temperature	-40 +125	°C
Climatic category (IEC 60068-1)	40/125/21	
Marking, blue positive	EPCOS 800 YY O800- Nominal voltageYY- Year of productionO- Non radioactive	

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

²⁾ In ionized mode

³⁾ TOV – Temporary over voltage

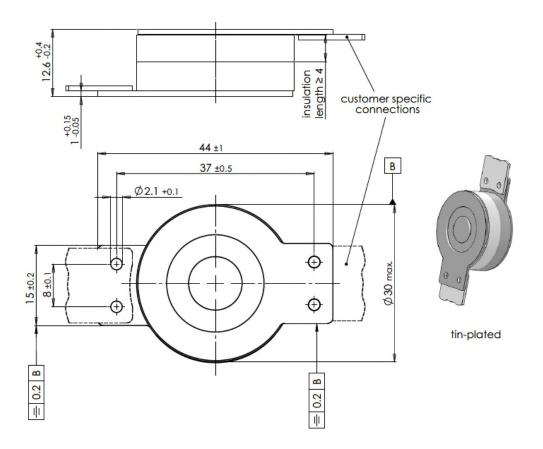


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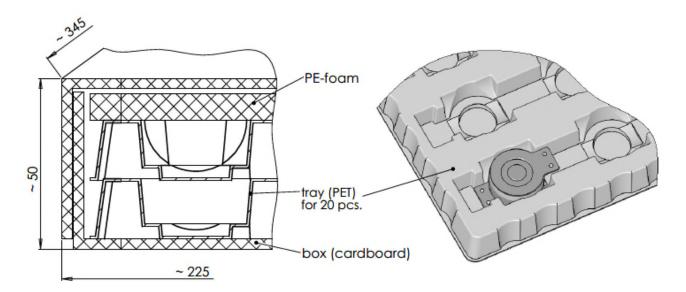
B88069X7533B401 D3E13M-A800P1

Dimensional drawing in mm



Ordering code and packing advice

B88069X7533**B401** = 40 pcs. in trays



PPD AB PD / PPD AB PM

②TDK

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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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