

Surge arrester

2-electrode arrester

Version:

 Series/Type:
 D20-A800XPD

 Ordering code:
 B88069X7371B301

 Date:
 2019-06-05

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Surge arrester

2-electrode arrester

Features

- Stable performance over life
- High insulation resistance
- RoHS-compatible

Electrical specifications

DC spark-over voltage ^{1) 2)}	> 600	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 ³⁾ Max. continuous operating voltage at 50/60 Hz U_c Nominal discharge current 8/20 µs I_n Impulse discharge current 10/350 µs I_{imp} Class II ³⁾ Max. continuous operating voltage at 50/60 Hz U_c Nominal discharge current 8/20 µs I_n	255 30 25 255 30	V kA kA V kA
Maximum discharge current 8/20 µs I _{max}	40	kA
Weight	~ 10	g
Operation and storage temperature	-40 +125	°C
Climatic category (IEC 60068-1)	40/125/21	1
Marking	without	
Certifications	UL 1449 (E319264)	c 🗫 us

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

²⁾ In ionized mode
 ³⁾ Test sequence it

Test sequence in accordance with IEC 61643-11.

Follow current has to be avoided by an appropriate external circuit (e.g. varistor in series).

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Applications

AC power line devices – class I and class II

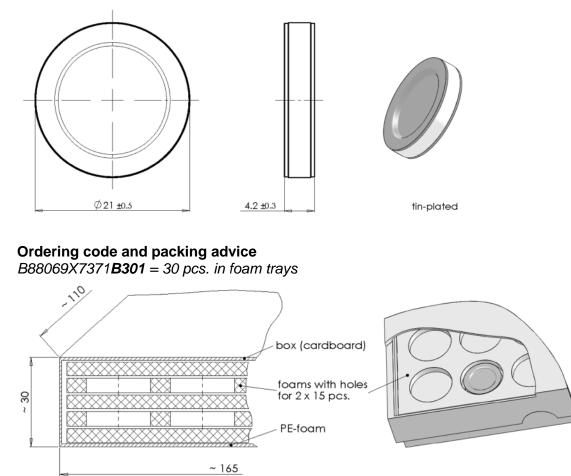


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Dimensional drawing in mm



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.
- 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.
- Do not continue to use damaged surge arresters.

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