

Surge arrester

2-electrode arrester

Series/Type: L18A-A3000XPD Ordering code: B88069X9471B122

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Version: 03

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L18A-A3000XPD

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Features

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

Applications

- AC power line devices class I and class II
- Wind energy

Electrical specifications

DC spark-over voltage 1) 2)	2700 3900	V
Front of wave spark-over voltage - at 1.2/50 µs, 6 kV	< 4500	V
Breakdown time - typical values	< 100 < 20	ns ns
Insulation resistance at 1000 V _{DC}	> 1	$G\Omega$
Capacitance at 1 MHz	< 6	pF
Class I $^{4)}$ Max. continuous operating voltage at 50/60 Hz U_c Nominal discharge current 8/20 μs I_n Impulse current 10/350 μs I_{imp}	1000 50 35	V kA kA
Class II $^{4)}$ Max. continuous operating voltage at 50/60 Hz U_c Nominal discharge current 8/20 μ s I_n Maximum discharge current 8/20 μ s I_{max}	1000 50 100	V kA kA
AC discharge current (TOV ³⁾ at 2000 V) 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 3000 YY O 3000 - Nominal voltage YY - Year of production O - Non radioactive	

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

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²⁾ In darkness w/o storage

³⁾ TOV – Temporary over voltage

⁴⁾ Test sequence in accordance with IEC 61643-11. Follow current has to be avoided by an appropriate external circuit (e.g. varistor in series).

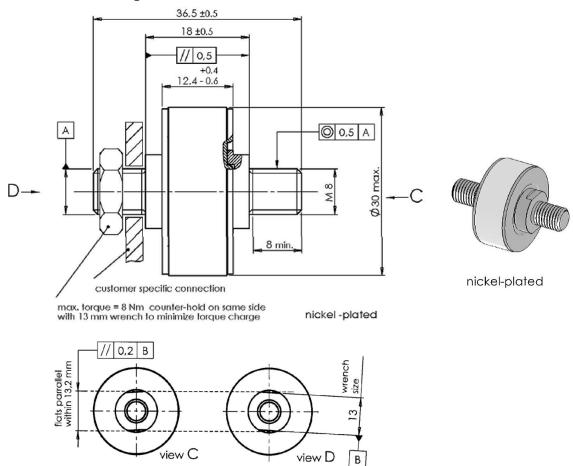


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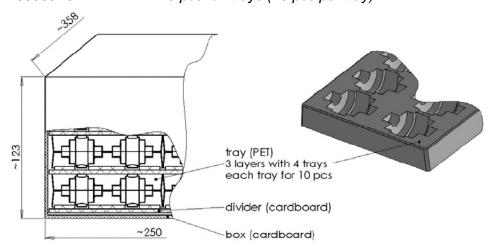
L18A-A3000XPD

Dimensional drawing in mm



Ordering code and packing advice

B88069X9471**B122** = 120 pcs. on trays (10 pcs per tray)



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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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