Surge arrester

2-electrode arrester

Series/Type:	**L18A-A3000XPD**
Ordering code:	**B88069X9471B122**
Date:	2019-07-25
Version:	03

Surge arrester — B88069X9471B122

2-electrode arrester — L18A-A3000XPD

Features

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

Applications

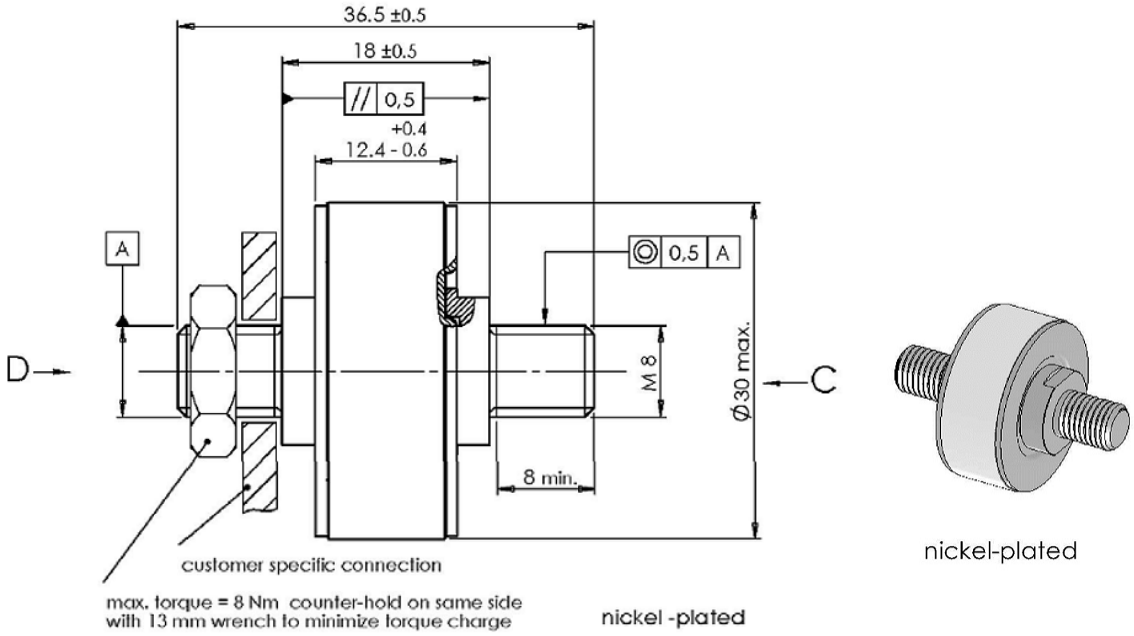
- AC power line devices – class I and class II
- Wind energy

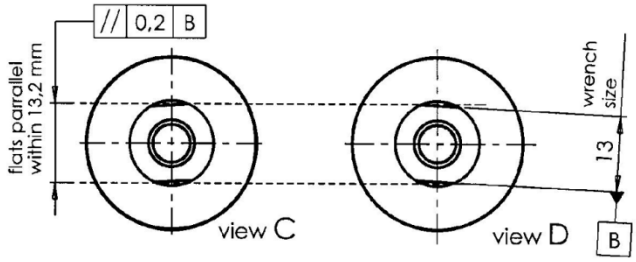
Electrical specifications

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	GΩ
Capacitance at 1 MHz		< 6	pF
Class I [4)] Max. continuous operating voltage at 50/60 Hz Nominal discharge current 8/20 µs Impulse current 10/350 µs	 U_c I_n I_{imp}	 1000 50 35	 V kA kA
Class II [4)] Max. continuous operating voltage at 50/60 Hz Nominal discharge current 8/20 µs Maximum discharge current 8/20 µs	 U_c I_n 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
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).

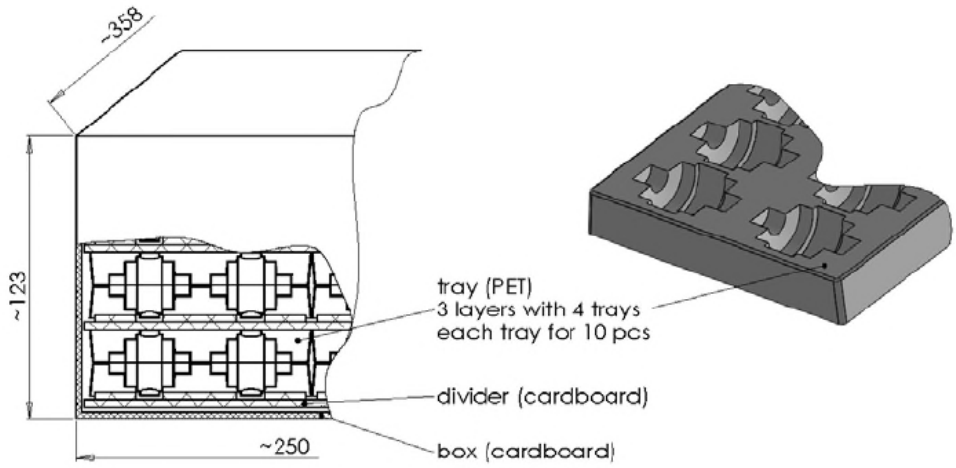
Dimensional drawing in mm





Ordering code and packing advice

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



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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