

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: B88069X9471B122

Manufacturer: TDK

Package: Tray

Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/tdk/b88069x9471b122.html>

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Contact Information

Email: info@antrexco.com

WhatsApp: +86-186-8066-5326

Website: <https://antrexco.com>

Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.



Surge arrester

2-electrode arrester

Series/Type:	L18A-A3000XPD
Ordering code:	B88069X9471B122
Date:	2026-04-01
Version:	04

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 μ s, 6 kV		< 4500	V
Breakdown time - typical values		< 100 < 20	ns ns
Insulation resistance at 1000 V _{DC}		> 1	G Ω
Capacitance at 1 MHz		< 6	pF
Class I ⁴⁾			
Max. continuous operating voltage at 50/60 Hz	U _c	1000	V
Nominal discharge current 8/20 μ s	I _n	50	kA
Impulse current 10/350 μ s	I _{imp}	35	kA
Class II ⁴⁾			
Max. continuous operating voltage at 50/60 Hz	U _c	1000	V
Nominal discharge current 8/20 μ s	I _n	50	kA
Maximum discharge current 8/20 μ s	I _{max}	100	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		TDK 3000 YY 3000 - Nominal voltage YY - Year of production	

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

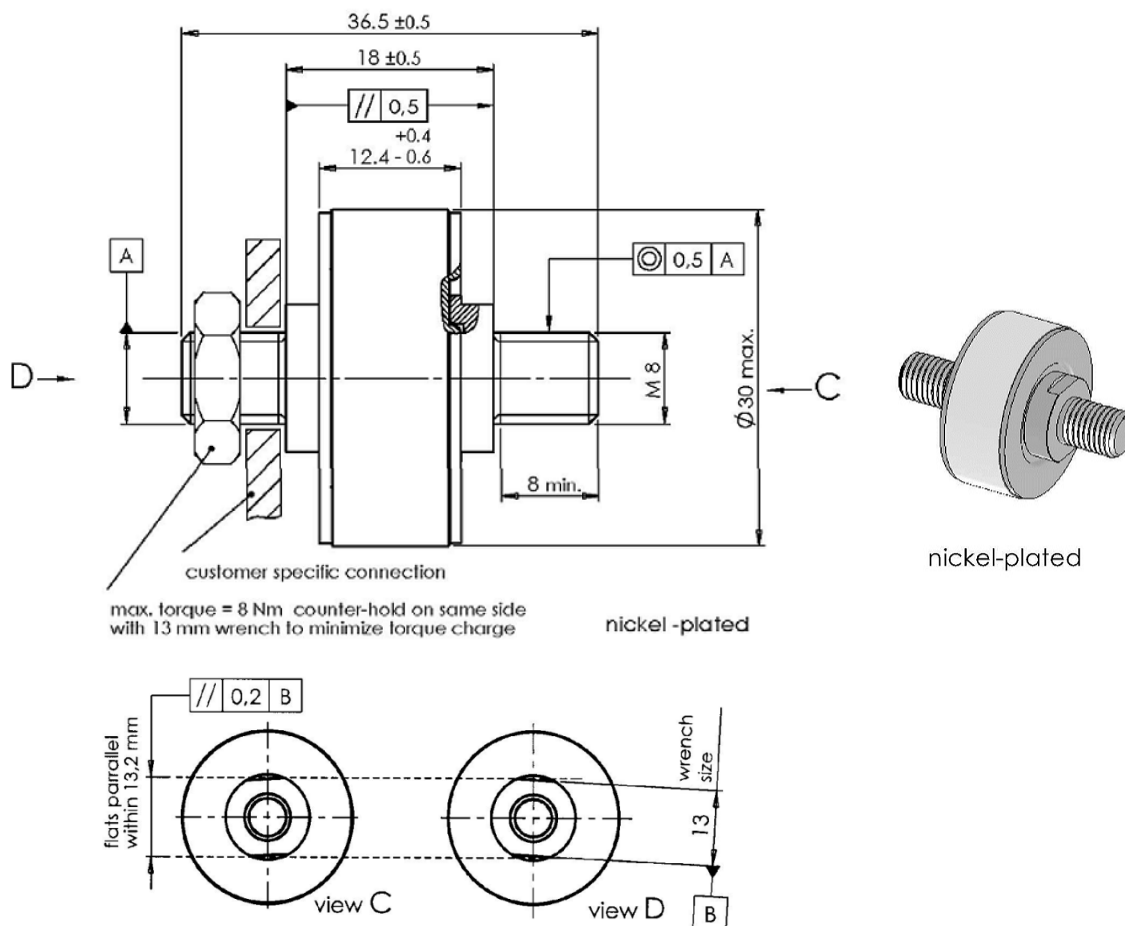
²⁾ In darkness w/o storage

³⁾ TOV – Temporary over voltage

⁴⁾ Test sequence in accordance with IEC 61643-11.

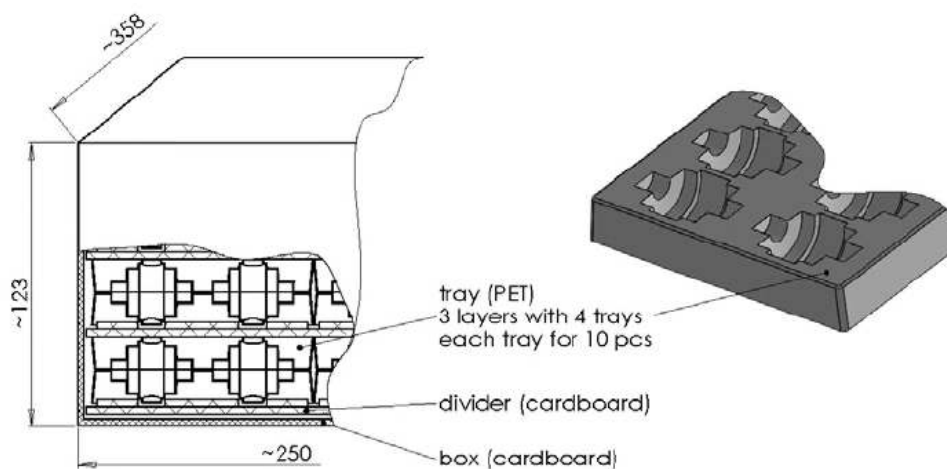
Follow current has to be avoided by an appropriate external circuit (e.g. varistor in series).

Dimensional drawing in mm



Ordering code and packing advice

B88069X9471B122 = 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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Important notes

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