

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: B88069X2983B801

Manufacturer: TDK

Package: Tray

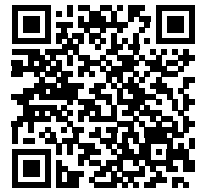
Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/tdk/b88069x2983b801.html>

Request a Quote:

[Submit RFQ for this part](#)



Scan for product page

Contact Information

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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:	D3D-A800XP
Ordering code:	B88069X2983B801
Date:	2019-08-10
Version:	04

Surge arrester

B88069X2983B801

2-electrode arrester

D3D-A800XP

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 and class II – surge protection

Electrical specifications

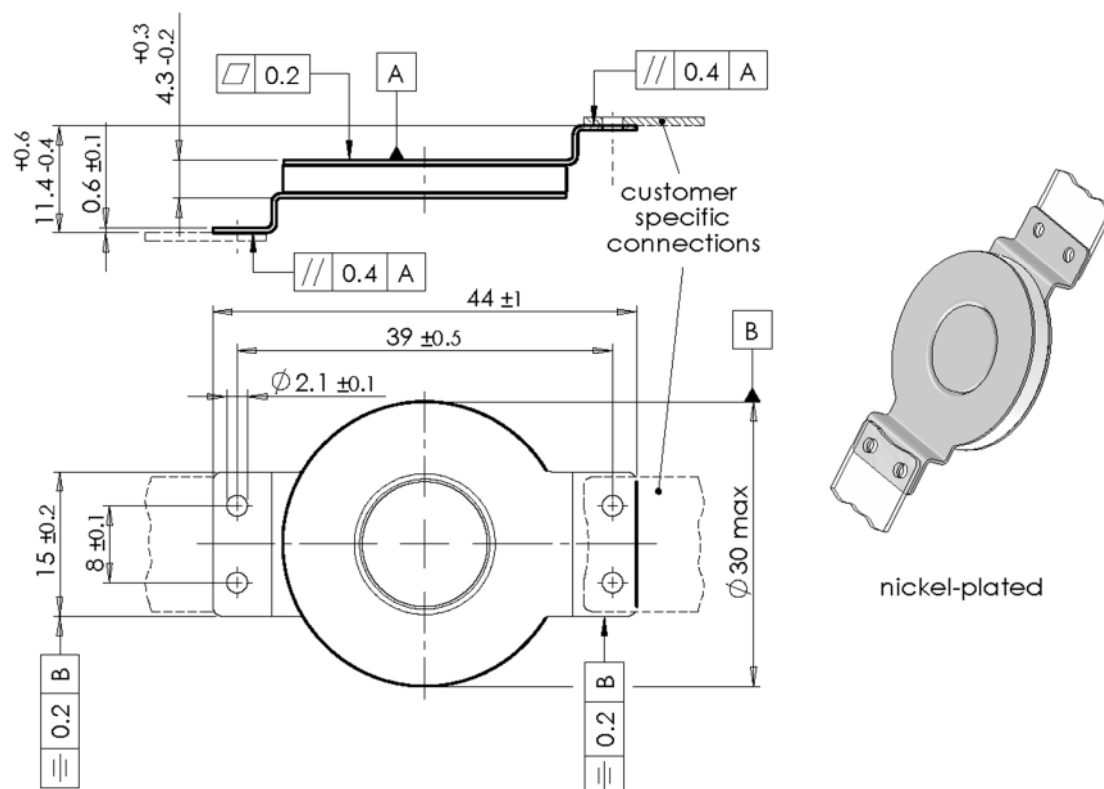
DC spark-over voltage ^{1) 2)}		> 600	V
Front of wave spark-over voltage - at 1.2/50 μ s, 6 kV		< 1500	V
Breakdown time - typical values		< 100 < 40	ns ns
Insulation resistance at 100 V _{DC}		> 1	G Ω
Class I according to IEC 61643-11			
Max. continuous operating voltage at 50/60 Hz	U _c	264	V
Nominal discharge current 8/20 μ s	I _n	30	kA
Impulse current 10/350 μ s	I _{imp}	25	kA
Follow current at 50/60 Hz	I _f	100	A
Class II according to IEC 61643-11			
Max. continuous operating voltage at 50/60 Hz	U _c	264	V
Nominal discharge current 8/20 μ s	I _n	30	kA
Maximum discharge current 8/20 μ s	I _{max}	40	kA
Follow current at 50/60 Hz	I _f	100	A
AC discharge current (TOV ³⁾ at 1200 V) 1 operation 50 Hz, 0.2 s		300	A
Weight		~ 10	g
Operation and storage temperature		-40 ... +125	°C
Climatic category (IEC 60068-1)		40/125/21	
Marking		without	
Certifications		UL 1449 (E319264)	

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

²⁾ In darkness without storage

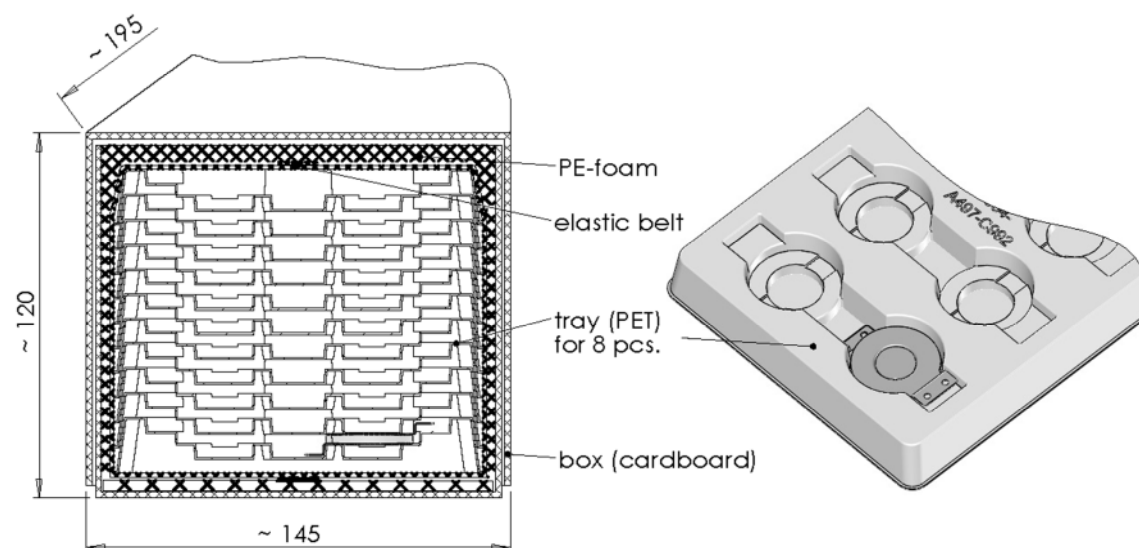
³⁾ TOV – Temporary over voltage

Dimensional drawing in mm



Ordering code and packing advice

B88069X2983**B801** = 80 pcs. on trays



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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Important notes

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Release 2018-10