

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: B88069X9170B152
Manufacturer: TDK
Package: Bulk
Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/tdk/b88069x9170b152.html>

Request a Quote:

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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:	V10-H08X
Ordering code:	B88069X9170B152
Date:	2026-04-01
Version:	07

Surge arrester

B88069X9170B152

2-electrode arrester

V10-H08X

Features

- Standard size
- Maximum current rating
- Fast response time
- Stable performance over life
- High insulation resistance
- RoHS-compatible

Applications

- Industry

Electrical specifications

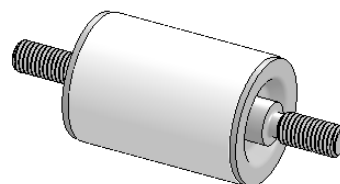
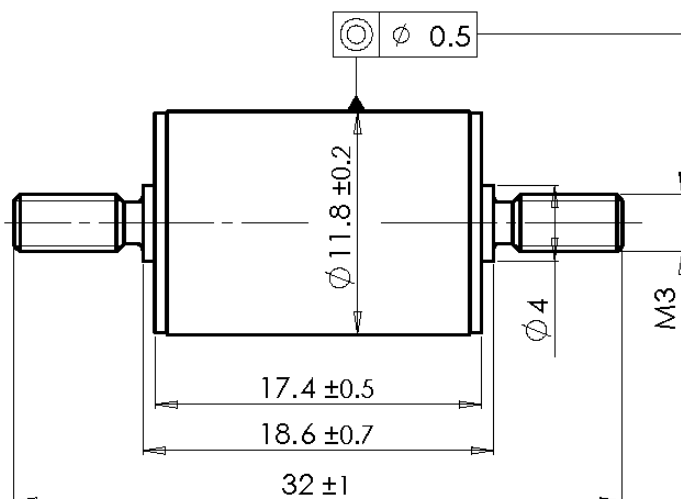
DC spark-over voltage ^{1) 2)}	800	V
Tolerance	±20	%
Min.	640	V
Max.	960	V
Impulse spark-over voltage		
at 100 V/μs - for 99% of measured values	< 1000	V
- typical values of distribution	< 900	V
at 1 kV/μs - for 99% of measured values	< 1200	V
- typical values of distribution	< 1100	V
Service life		
10 operations 50 Hz, 1 s	20	A
1 operation 50 Hz, 0.18 s (9 cycles)	120	A
10 operations 8/20 μs	20	kA
1 operation 8/20 μs	30	kA
1 operation 10/350 μs	5	kA
Insulation resistance at 100 V _{DC}	> 1	GΩ
Capacitance at 1 MHz	< 1.5	pF
Arc voltage at 1 A	~ 35	V
Glow to arc transition current	< 1	A
Glow voltage	~ 200	V
Weight	~ 8	g
Operation and storage temperature	-40 ... +125	°C
Climatic category (IEC 60068-1)	40/125/21	
Marking, black positive	TDK 800 YY 800 - Nominal voltage YY - Year of production	

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

²⁾ In ionized mode

Terms in accordance with ITU-T Rec. K.12 and IEC 61643-311.

Dimensional drawing in mm

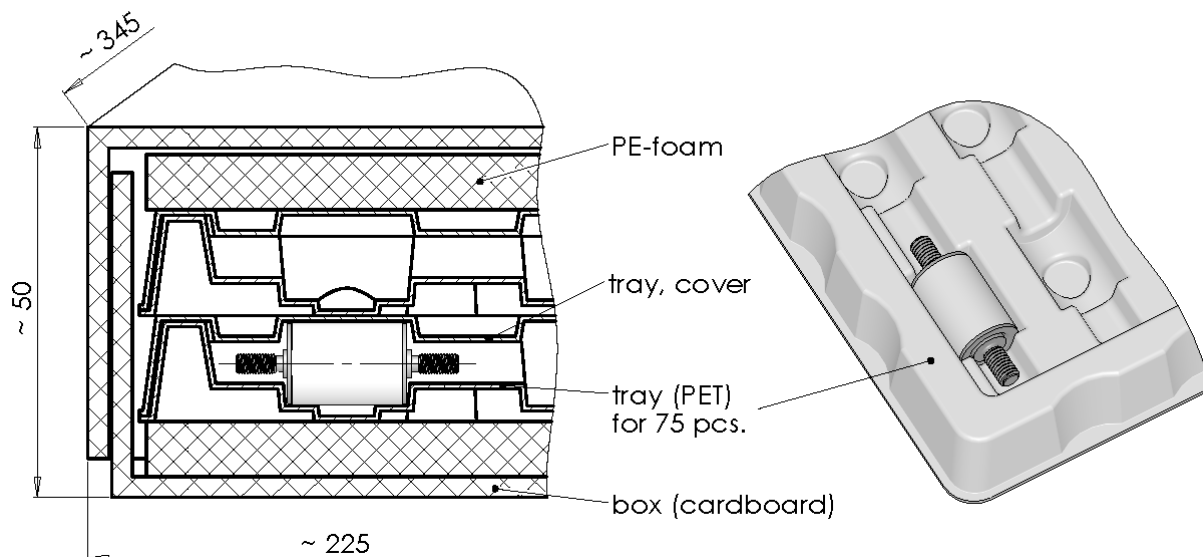


nickel-plated

minimize torque charge
max. torque = 0.75 Nm

Ordering code and packing advice

B88069X9170**B152** = 150 pcs. on trays



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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