

Surge arrester

2-electrode arrester

Series/Type: V10-H30X

Ordering code: B88069X4330B152

Date: 2018-02-24

Version: 05

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2-electrode arrester V10-H30X

Features

ApplicationsIndustry

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

Electrical specifications

DC spark-over voltage 1) 2)	3000	V
Tolerance	±25	%
Min.	2250	V
Max.	3750	V
Impulse spark-over voltage		
at 100 V/µs - for 99% of measured values	< 4500	V
 typical values of distribution 	< 4300	V
at 1 kV/µs - for 99% of measured values	< 5000	V
 typical values of distribution 	< 4500	V
Service life		
10 operations 50 Hz, 1 s	20	Α
1 operations 50 Hz, 0.18 s (9 cycles)	120	Α
10 operations 8/20 μs	20	kA
1 operation 8/20 μs	30	kA
Insulation resistance at 100 V _{DC}	> 10	$G\Omega$
Capacitance at 1 MHz	< 1.5	pF
Arc voltage at 1 A	~ 30	V
Glow to arc transition current	< 1	Α
Glow voltage	~ 200	V
Weight	~ 8	g
Operation and storage temperature	-40 +12 5	°C
Climatic category (IEC 60068-1)	40/125/21	
Marking, black positive	EPCOS 3000 YY O	
· 1	3000 - Nominal voltage	
	YY - Year of production O - Non radioactive	n

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

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

²⁾ In ionized mode

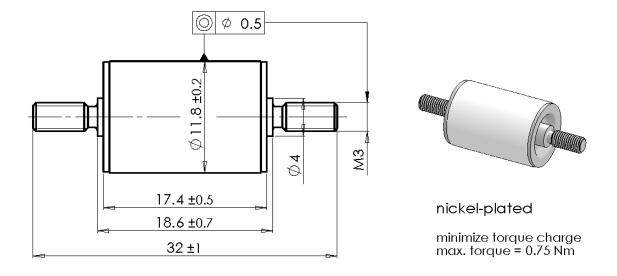


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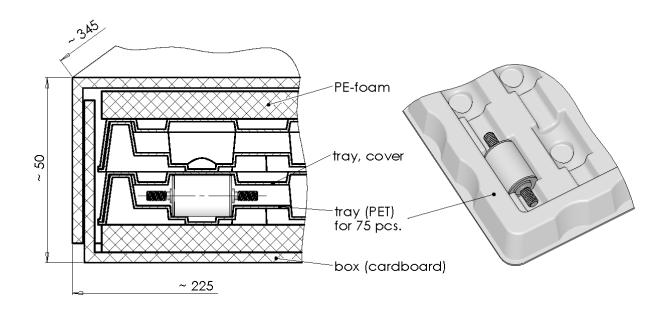
V10-H30X

Dimensional drawing in mm



Ordering code and packing advice

B88069X4330**B152** = 150 pcs. on trays



PPD AB PD / PPD AB PM Version: 05 / 2018-02-24



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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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Release 2018-10