

Surge arrester

2-electrode arrester

Series/Type: V10-H22X

Ordering code: B88069X4420B251

Date: Issue 06 / 2013-08-28

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Surge arrester B88069X4420B251

2-electrode arrester V10-H22X

Features

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

Applications

Station protection

Electrical specifications

Marking, black positive	EPCOS 2200 YY O 2200 - Nominal voltage YY - Year of production O - Non radioactive	
Climatic category (IEC 60068-1)	40/ 90/ 21	
Operation and storage temperature	-40+90	°C
Weight	~ 9	g
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 30 ~ 1 ~ 200	V A V
Capacitance at 1 MHz	< 1.5	pF
Insulation resistance at 100 V _{DC}	> 10	$G\Omega$
1 operation 8/20 µs	25	kA
10 operations 8/20 μs	20	kA
10 operations 50 Hz, 1 s 1 operation 50 Hz, 0.18 s (9 cycles)	20 120	A
- typical values of distribution Service life	< 2500	V
Impulse spark-over voltage at 100 V/µs - for 99% of measured values - typical values of distribution at 1 kV/µs - for 99% of measured values	< 2700 < 2400 < 2800	V V
DC spark-over voltage 1) 2)	2200 ± 20	V %

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

Terms in accordance with ITU-T Rec. K12; IEC 61663-2 and IEC 61643-311.

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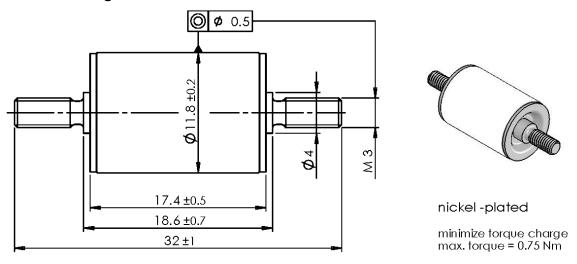
²⁾ In ionized mode



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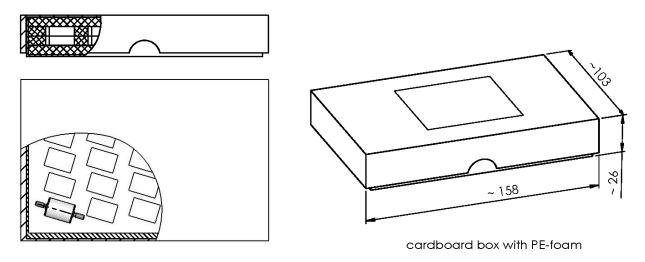
2-electrode arrester V10-H22X

Dimensional drawing in mm



Ordering code and packing advice

B88069X4420**B251** = 25 pcs. on foam tray



Cautions and warnings

- Surge arresters may become hot in the event of longer periods of current stress (danger of burning).
- Surge arresters must not be operated directly in power supply networks.
- Electromagnetic fields and ionizing radiation may affect the electrical characteristics of the arresters. The impact of this kind of disturbances (inductive and capacitive comply, field distortion by nearby conductors) has to be avoided by circuit design.
- Surge arresters may be used only within their specified values. In case of overload, the lead contacts may fail or the component may be destroyed.
- Surge arresters must be handled with care and must not be dropped.
- Damaged surge arresters must not be re-used.

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Release 2018-10