



Surge arrester

2-electrode arrester

Series/Type: L1C-A800XP1
Ordering code: B88069X5731B201
Version/Date: Issue 02 / 2007-07-03

Features	Applications
<ul style="list-style-type: none"> ▪ Very small size ▪ Suitable for direct strikes ▪ Very fast response time ▪ Stable performance over life ▪ High insulation resistance ▪ RoHS compatible 	<ul style="list-style-type: none"> ▪ AC power lines ▪ Class 1 (class B) - requirements

Electrical specifications

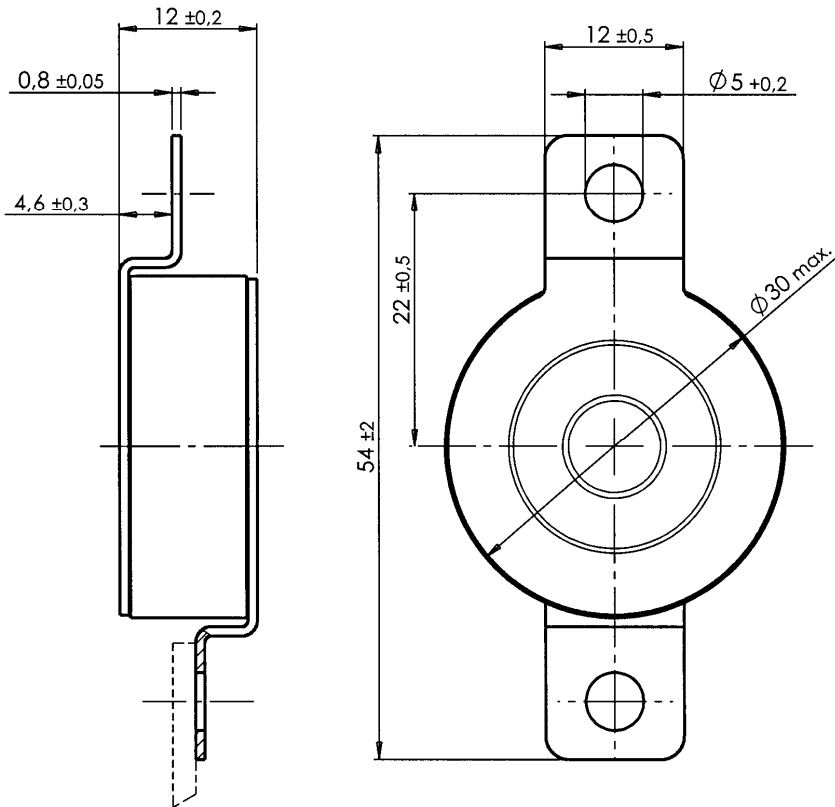
DC spark-over voltage ^{1) 2)}	> 600	V
Impulse spark-over voltage at 1.2/50 μ s, 6kV, for 99 % of measured values	< 1500	V
Response time - typical values	< 100 < 20	ns ns
Insulation resistance at 100 V _{dc}	> 1	G Ω
Class I according to EN 61643-11		
Max. continuous operating voltage at 50/60 Hz	U _c	255
Nominal discharge current 8/20 μ s	I _n	50
Impulse current 10/350 μ s	I _{imp}	50
Follow current at 50/60 Hz	I _f	A _{rms}
AC discharge current (TOV ³⁾) 1 operation 50 Hz, 0.2 s		300
Weight	~ 100	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue positive	EPCOS 800 YY O 800 - Nominal voltage YY - Year of production O - Non radioactive	

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

²⁾ In darkness w/o storage

³⁾ TOV – Temporary Over Voltage

Dimensional drawing



nickel-plated

Not to scale

Dimensions in mm

Non controlled document

Cautions and warnings

- Depending on the incorporation position, the surge arrester may have to be additionally secured by mechanical means.
- Surge arresters may become hot in the event of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In case of overload, the head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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