Surge arrester

2-electrode arrester

Series/Type: **L1B-A800XP1**
Ordering code: **B88069X6551B201**
Version/Date: Issue 03 / 2009-06-09

Surge arrester — B88069X6551B201

2-electrode arrester — L1B-A800XP1

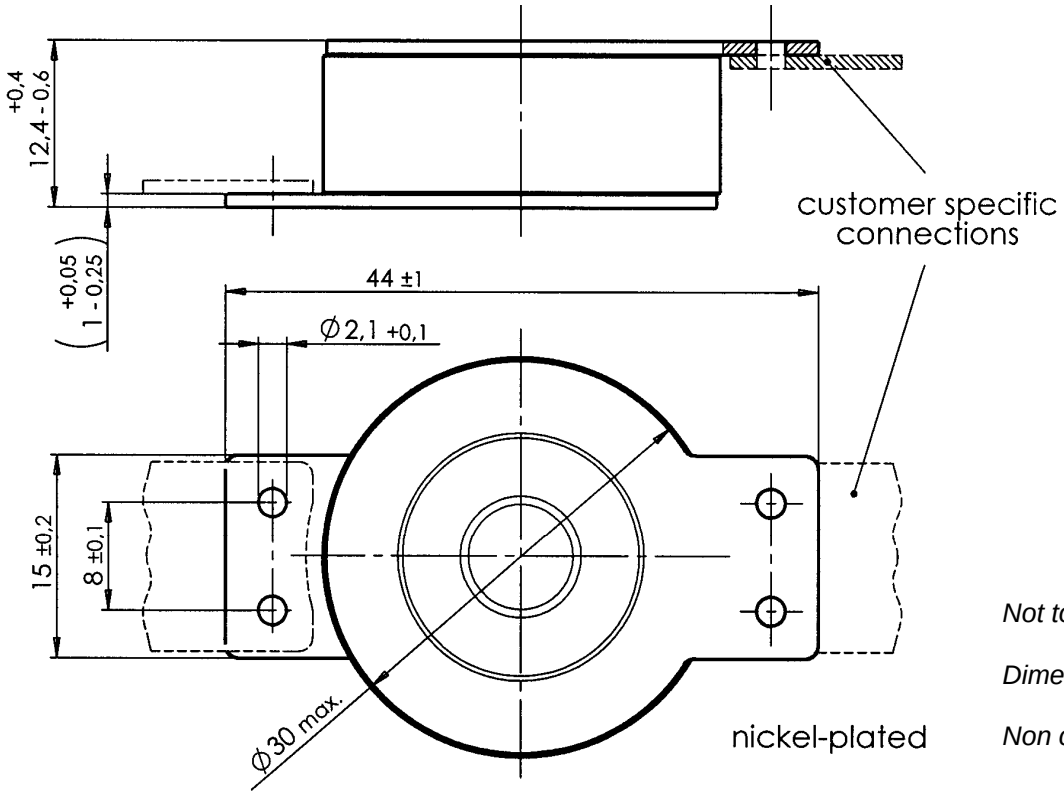
Features	Applications
▪ Very small size ▪ Suitable for direct strikes ▪ Very fast response time ▪ Stable performance over life ▪ High insulation resistance ▪ RoHS compatible	▪ AC power lines ▪ Class I (class B) - requirements

Electrical specifications

DC spark-over voltage [1) 2)]		> 600	V
Impulse spark-over voltage at 1.2/50 µs, 6 kV, for 99 % of measured values		< 1500	V
Response time		< 50	ns
Insulation resistance at 100 V_{dc}		> 1	GΩ
Class I according to EN 61643-11 Max. continuous operating voltage at 50/60 Hz Nominal discharge current 8/20 µs Impulse current 10/350 µs Follow current at 50/60 Hz	 V_c I_n I_{imp} I_f	 264 50 50 100	 V_{rms} kA kA A_{rms}
AC discharge current (TOV [3)]) 1 operation 50 Hz, 0.2 s		300	A
Weight		~ 35	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



Not to scale

Dimensions in mm

Non controlled document

Cautions and warnings

- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- If the contacts of the surge arresters are defective, current stress can lead to the formation of sparks and loud noises (bang).
- 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.

Important notes

The following applies to all products named in this publication:

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