Surge arrester

LN-class I / high follow current

Series/Type: **LN38-A800X**
Ordering code: **B88069X6691B041**
Version/Date: Issue 04 / 2008-01-17

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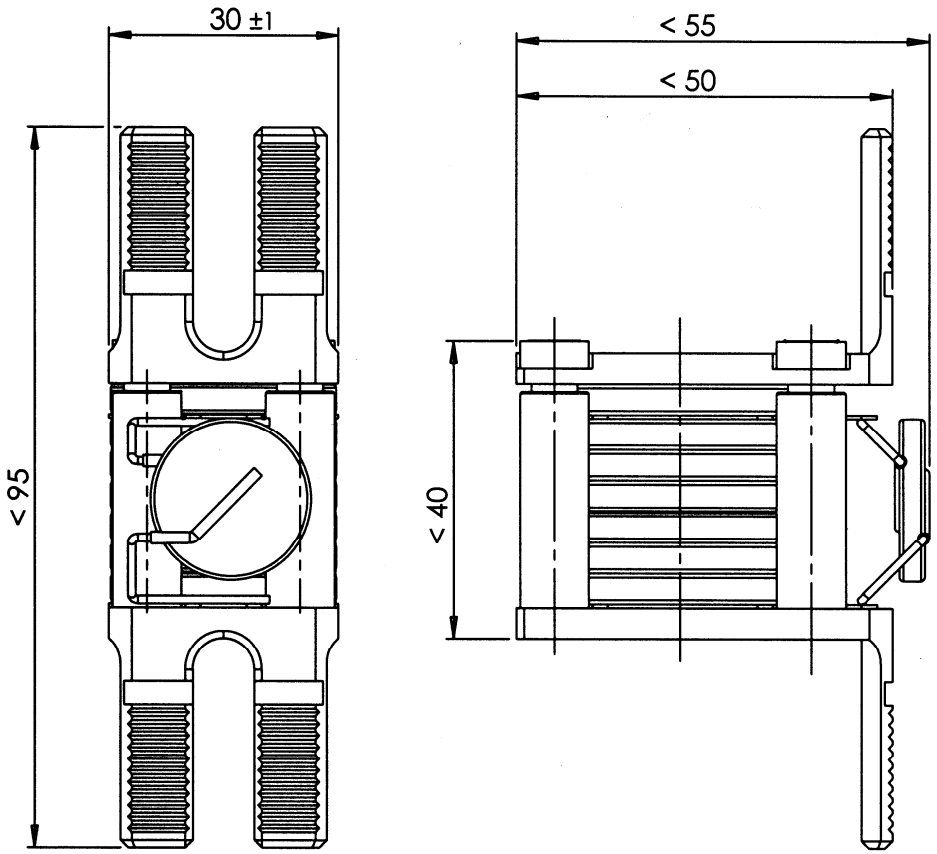
Features	Applications
▪ Suitable for direct strikes ▪ Stable performance over life ▪ High insulation resistance ▪ RoHS-compatible	▪ AC power lines, phase-neutral ▪ Class I - requirements

Electrical specifications

DC spark-over voltage [1) 2)]		> 550	V
Impulse spark-over voltage - at 1.2/50 µs, 6 kV, for 99 % of measured values		< 1500	V
Response time - typical values		< 100 < 40	µs µs
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	 U_c I_n I_{imp} I_f	 255 25 25 3	 V_{rms} kA kA kA_{rms}
Weight		~ 175	g
Operation and storage temperature		-40 ... +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Label, black 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 ionized mode

Dimensional drawing



Not to scale

Dimensions in mm

Non controlled document

Cautions and warnings

- The surge arrester must be selected so that the maximum expected follow current can be quenched.
- The follow current must be limited so that the arrester can be properly extinguished when the surge arrester decayed.
- If the contacts of the surge arresters are defective, current stress can lead to the formation of sparks and loud noises.
- Surge arresters may become hot in case 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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