

Surge arrester

2-electrode arrester

 Series/Type:
 V87-A800XP1

 Ordering code:
 B88069X6971C251

 Issue/Date:
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Surge arrester

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B88069X6971C251 V87-A800XP1

Features

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

Applications

- AC power lines N-PE applications
- Class I and class II - requirements

Electrical specifications

DC spark-over voltage ^{1) 2)}	> 600	V
Front of wave spark-over voltage - at 1.2/50 µs, 6 kV	< 1600	V
Breakdown time - typical values	< 100 < 20	ns ns
Insulation resistance at 100 V _{DC}	> 1	GΩ
$\begin{array}{c} \mbox{Class I according to EN61643-11} \\ \mbox{Max. continuous operating voltage at 50/60 Hz} & U_c \\ \mbox{Nominal discharge current 8/20 } \mbox{\mu s} & I_n \\ \mbox{Impulse current 10/350 } \mbox{\mu s} & I_{imp} \\ \mbox{Follow current at 50/60 Hz} & I_f \end{array}$	255 40 12.5 100	V kA kA A
$\begin{array}{c} \mbox{Class II according to EN61643-11} \\ \mbox{Max. continuous operating voltage at 50/60 Hz} & U_c \\ \mbox{Nominal discharge current 8/20 } \mu s & I_n \\ \mbox{Maximum discharge current 8/20 } \mu s & I_{max} \\ \mbox{Follow current at 50/60 Hz} & I_f \end{array}$	255 40 60 100	V kA kA A
AC discharge current (TOV ³⁾ at 1200 V) 1 operation 50 Hz, 0.2 s	300	A
Weight	~ 10	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, 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

³⁾ TOV – Temporary over voltage

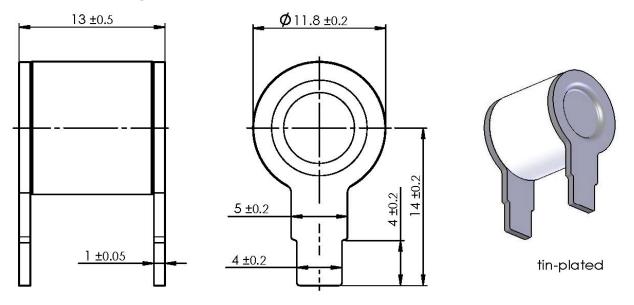


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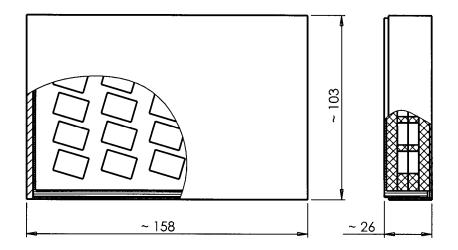
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Dimensional drawing in mm



Ordering code and packing advice

B88069X6971**C251** = 25 pcs. on foam tray



PPD AB PD / PPD AB PM

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Cautions and warnings

- The follow current must be limited (see values on page 2) so that the arrester can be properly extinguished when the surge has decayed.
- 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.
- 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.
- Surge arresters must be handled with care and must not be dropped.
- Damaged surge arresters must not be re-used.

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