



Surge arrester

2-electrode arrester

Series/Type:	V18-A800XNTP
Ordering code:	B88069X3633B251
Date:	2015-04-17
Version:	02

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Features

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

Applications

- AC power line N-PE application
- Class I and II – surge protection

Electrical specifications

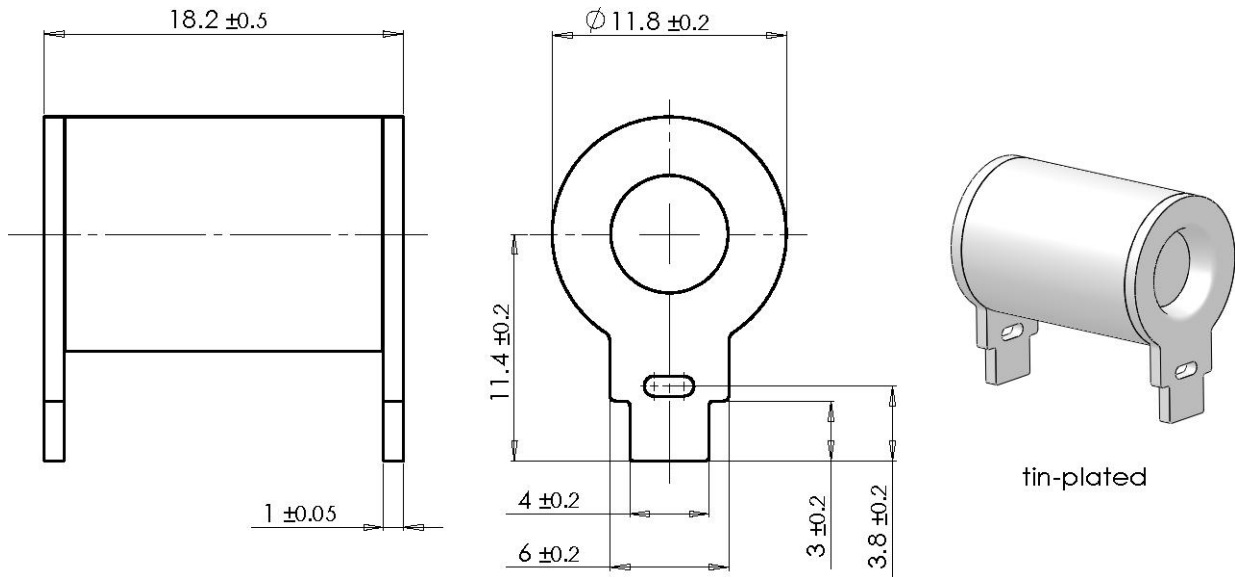
DC spark-over voltage ^{1) 2)}		> 600	V
Front of wave spark-over voltage - at 1.2/50 μ s, 6 kV		< 1500	V
Breakdown time - typical values		< 100 < 20	ns ns
Insulation resistance at 100 V _{DC}		> 1	G Ω
Class I according to EN 61643-11			
Max. continuous operating voltage at 50/60 Hz	U _C	275	V
Nominal discharge current 8/20 μ s	I _n	40	kA
Impulse current 10/350 μ s	I _{imp}	12	kA
Follow current at 50/60 Hz	I _f	100	A
Class II according to EN 61643-11			
Max. continuous operating voltage at 50/60 Hz	U _C	275	V
Nominal discharge current 8/20 μ s	I _n	40	kA
Maximum discharge current 8/20 μ s	I _{max}	60	kA
Follow current at 50/60 Hz	I _f	100	A
AC discharge current (TOV ³⁾ at 1200 V) 1 operation 50 Hz, 0.2 s		300	A
Weight		~ 8	g
Operation and storage temperature		-40 ... +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, black positive		EPCOS 800 YY ON 800 - Nominal voltage YY - Year of production O - Non radioactive N - Series	
Certifications		UL 1449 (E319264)	

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

²⁾ In ionized mode

³⁾ TOV – Temporary over voltage

Dimensional drawing in mm



Ordering code and packing advice

B88069X3633B251 = 25 pcs. on foam trays

