

Surge arrester

2-electrode arrester

 Series/Type:
 V13-A500XN

 Ordering code:
 B88069X6940C251

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Features	Applications
Standard size	 AC power lines
 Maximum current rating 	 Class I and class II - requirements
 Fast response time 	
 Stable performance over life 	
 Very low capacitance 	
 High insulation resistance 	
RoHS-compatible	

Electrical specifications

DC spark-over voltage ^{1) 2)}	500 850	V	
Impulse spark-over voltage ⁴⁾ - at 1.2/50 µs, 6 kV, for 99 % of measured values	< 1300	V	
Response time - typical values	< 100 < 20	ns ns	
Insulation resistance at 100 V_{dc}	> 1	GΩ	
$\begin{array}{llllllllllllllllllllllllllllllllllll$	255 40 12 100	V _{rms} kA kA A _{rms}	
$\begin{array}{c c} \mbox{Class II} & \mbox{according to EN 61643-11} \\ \mbox{Max. continuous operating voltage at 50/60 Hz} & U_c \\ \mbox{Nominal discharge current 8/20 } & I_n \\ \mbox{Maximum discharge current 8/20 } & I_{max} \\ \mbox{Follow current at 50/60 Hz} & I_f \end{array}$	255 40 60 100	V _{rms} kA kA A _{rms}	
AC discharge current (TOV ³⁾ at 1200 V) 1 operation 50 Hz, 0.2 s	300	A	
Weight	~ 6.5	g	
Operation and storage temperature	-40 +90	°C	
Climatic category (IEC 60068-1)	40/ 90/ 21	40/ 90/ 21	
Marking, black positive	YY - Year of prod	500 YY ON500- Nominal voltageYY- Year of productionO- Non radioactive	

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

2)

3) TOV – Temporary over voltage Values after load: < 1500 V

4)

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Please read Cautions and warnings and Important notes at the end of this document.

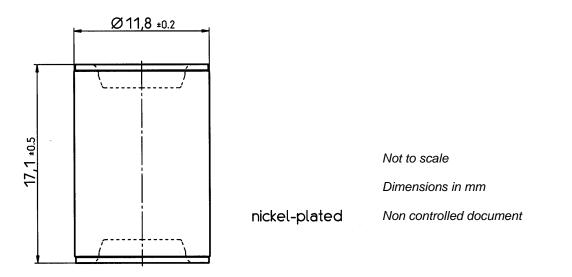


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Dimensional drawing



Cautions and warnings

- 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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