



Surge arrester

Stacked surge arresters in casing

Series/Type:	LN30M1-A1800AC-3C
Ordering code:	B88069X2963B161
Date:	2019-07-15
Version:	06

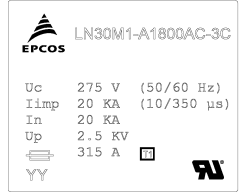
Features

- High self-extinguishing capability
- High follow current limitation capability
- Stable performance over life
- High insulation resistance
- RoHS-compatible

Applications

- AC power line, phase-neutral
- Class I and class II – surge protection

Electrical specifications

DC spark-over voltage ¹⁾		> 600	V
Front of wave spark-over voltage - at 1.2/50 μ s, 6 kV		< 2500	V
Breakdown time - typical values - for 99% of measured values		< 100 < 20	ns ns
Insulation resistance at 100 V _{DC}		> 10	G Ω
Class I according to IEC 61643-11			
Nominal operating voltage ²⁾	U _N	230	V
Max. continuous operating voltage ²⁾	U _C	275	V
Nominal discharge current 8/20 μ s	I _n	25	kA
Impulse current 10/350 μ s	I _{imp}	25	kA
Follow current extinguishing capability ³⁾	I _f	6	kA
Class II according to IEC 61643-11			
Nominal operating voltage ²⁾	U _N	230	V
Max. continuous operating voltage ²⁾	U _C	275	V
Nominal discharge current 8/20 μ s	I _n	25	kA
Max. discharge current 8/20 μ s	I _{max}	40	kA
Follow current extinguishing capability ³⁾	I _f	6	kA
Max. temporary overvoltage (max. 5 s) ²⁾	U _T	440	V
Connection cable cross section		> 10	mm ²
Weight		~ 70	g
Operation and storage - temperature - humidity		-40 ... +125 5 ... 95	°C %
Climatic category (IEC 60068-1)		40/125/21	
Label, black negative			

Remarks on next page

Cautions and warnings

- The surge arrester can be used if the maximum expected follow current can be securely extinguished.
- The follow current must be limited (see values on page 2) so that the arrester can be properly extinguished when the surge has decayed. The arrester might otherwise heat up and ignite adjacent components.
- If the contacts of the surge arresters are defective, current load can cause sparks and loud noises.
- Surge arresters may become hot in the event of longer periods of current stress (burn risk). In the event of overload the connectors may fail or the component may be destroyed.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.

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Important notes

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