

Surge arrester

Stacked surge arresters in casing

Series/Type: LN30M1-A1800AC-3C Ordering code: B88069X2963B161

Date: 2019-07-15

Version: 06

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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

	> 600	V
	< 2500	V
	< 100 < 20	ns ns
	> 10	GΩ
U _N U _c I _n I _{imp} I _f	230 275 25 25 6	V V kA kA
U _N U _c I _n I _{max} I _f	230 275 25 40 6	V V kA kA
U_T	440	V
	> 10	mm²
	~ 70	g
	-40 +125 5 95	°C %
	40/125/21	
	Uc 275 V (50/60 Hz) Iimp 20 KA (10/350 µs) In 20 KA Up 2.5 KV 315 A	
	U _c I _n I _{imp} I _f U _N U _c I _n	<pre></pre>

Remarks on next page

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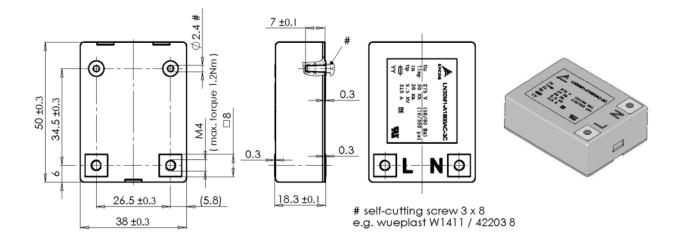
LN30M1-A1800AC-3C

Certifications UL 1449 (E319264) CNUs

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

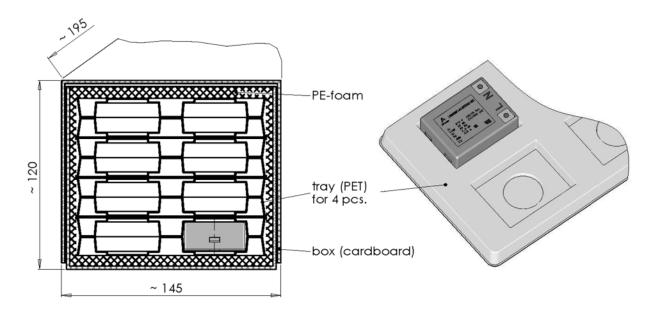
2) At 48...62 Hz

Dimensional drawing for housing in mm



Ordering code and packing advice

B88069X2963**B161** = 16 pcs. in trays



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³⁾ Cut-off selectivity for 40 A NH-gG/gL circuit breakers is given.



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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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Release 2018-10