

# Surge arrester

2-electrode arrester

Series/Type: EF2500XNTP
Ordering code: B88069X3383C103

Date: 2019-07-15

Version: 02

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Surge arrester B88069X3383C103

# 2-electrode arrester EF2500XNTP

#### **Features**

- Standard size
- High follow current capability
- Very fast response time
- Stable performance over life
- Very low capacitance
- High insulation resistance
- RoHS-compatible

#### **Applications**

- Application with high follow current
- Power supply

## **Electrical specifications**

	2500	V
	±20	%
		V
	3000	V
easured values	< 3200	V
s of distribution	< 3000	V
easured values	< 3500	V
s of distribution	< 3500	V
50 Hz, 1 s	5	Α
50 Hz, 0.18 s (9 cycles)	35	Α
8/20 µs	5	kA
8/20 μs	10	kA
e half cycle at 50 Hz 3)	200	А
	> 10	$G\Omega$
	< 1.5	pF
	~ 22	V
	< 0.5	Α
	~ 140	V
	~ 1.5	g
	-40 <b>+</b> 125	°C
Climatic category (IEC 60068-1)		
EF - S 2500 - N YY - Y		e ion
	UL 1449 (E319264)	c <b>FU</b> °us
	s of distribution easured values s of distribution  50 Hz, 1 s 50 Hz, 0.18 s (9 cycles) 8/20 µs 8/20 µs	#20 2000 3000  easured values s of distribution easured values s of distribution  7

<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

Terms in accordance with ITU-T Rec. K. 12; IEC 61643-311.

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<sup>2)</sup> In ionized mode

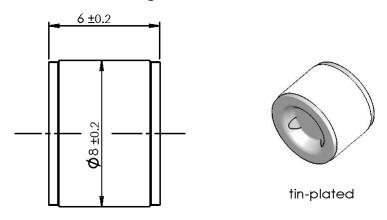
<sup>3)</sup> Follow current has to be limited by an appropriate varistor in series



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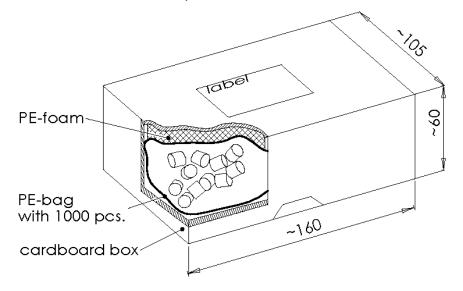
2-electrode arrester EF2500XNTP

# Dimensional drawing in mm



# Ordering codes and packing advices

B88069X3383**C103** = 1000 pcs. in container



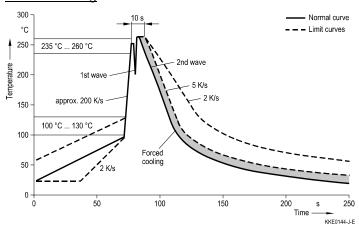


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#### 2-electrode arrester EF2500XNTP

#### Soldering parameter

#### Wave soldering



Wave profile features	Pb-free assembly
Solder	Sn 95.5 / Ag 3.8 / Cu 0.7
Solder bath temperature	263 (±3) °C
Dwell time	< 3 s

Soldering profile applied to a single soldering process.

#### **Cautions and warnings**

- Do not operate surge arresters in power supply networks, whose maximum operating voltage exceeds the minimum spark-over voltage of the surge arresters.
- The follow current must be limited (see 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.
- 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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