

# Surge arrester

2-electrode arrester

Series/Type: Ordering code: EC350XG

B88069X0920T502

2019-07-10 Date:

Version: 05

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## 2-electrode arrester EC350XG

### **Features**

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

## **Applications**

- Branch exchange
- Line protection
- Subscriber protection
- Alarm system
- Tuner
- Antenna protection

## **Electrical specifications**

-				
DC spark-over voltage 1) 2)			350	V
Tolerance			±15	%
Min.			298	V
Max.			402	V
Impulse spark-over vo	oltage			
at 100 V/µs	- for 99% of measured values		< 800	V
	<ul> <li>typical values of distribution</li> </ul>		< 700	V
at 1 kV/µs	- for 99% of measured values		< 900	V
	<ul> <li>typical values of distribution</li> </ul>		< 800	V
Service life				
10 operations		50 Hz, 1 s	10	Α
1 operation		50 Hz, 0.18 s (9 cycles)	20	Α
10 operations		8/20 µs	5	kA
1 operation		8/20 µs	10	kA
10 operations [5× (+) & 5× (–)]		8/20 µs	10	kA
1 operati	on	10/350 μs	1	kA
Insulation resistance at 100 V <sub>DC</sub>			> 10	$G\Omega$
Capacitance at 1 MHz			< 1.5	pF
Arc voltage at 1 A			~ 12	V
Glow to arc transition current			< 0.1	Α
Glow voltage			~ 60	V
Weight			~ 1.5	g
Operation and storage temperature			-40 <b>+</b> 125	°C
Climatic category (IEC 60068-1)			40/125/21	
Marking, red positive			EPCOS EC 350 YY O  EC - Series 350 - Nominal voltage YY - Year of production O - Non radioactive	

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

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

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

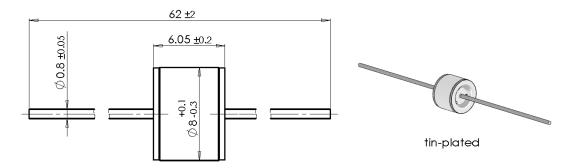


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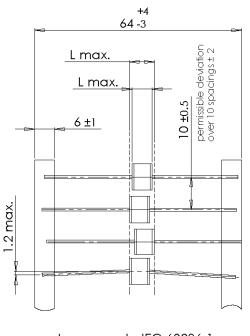
EC350XG

## Dimensional drawing in mm

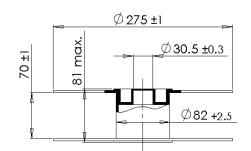


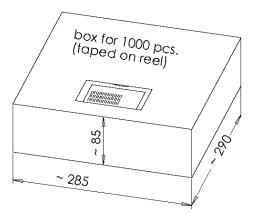
## Ordering codes and packing advices

B88069X0920**T502** = 500 pcs. on tape and reel



tape acc. to IEC 60286-1





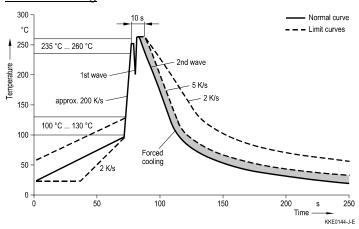


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#### 2-electrode arrester EC350XG

### 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.
- 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.
- If the contacts of the surge arresters are defective, current load can cause sparks and loud noises.
- 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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