

Surge arrester

3-electrode arrester

 Series/Type:
 EZ3-A350XF1

 Ordering code:
 B88069X4941B502

 Version/Date:
 Issue 02 / 2007-09-06

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3-electrode arrester EZ3-A350XF1

Features	Applications	
 Extremely small size 	Branch exchange (MDF)	
 Fast response time 	 Line protection 	
 High current rating 	Station protection	
 Stable performance over life 		
 Very low capacitance 		
 High insulation resistance 		
 Reliable failsafe device 		
RoHS-compatible		

Electrical specifications

DC spark-over voltage 1) 2) 4)			350 ± 20	V %
14)		± 20	,,,
Impulse spark-over voltage 4) at 100 V/µs - for 99 % of measured values - typical values of distribution		< 650 < 600	V	
•	for 99 % of measured valuestypical values of distribution		< 800 < 750	V V
Service life				
10 operations	į.	50 Hz, 1 s ⁵⁾	5	Α
1 operation		50 Hz, 0.18 s ⁵⁾	5	Α
10 operations [5x (+)	& 5x (-)]	8/20 μs ⁵⁾	5	kA
1 operation		10/350 µs ⁵⁾	1	kA
300 operations (altern	ating polarity) '	10/1000 μs ⁵⁾	200	Α
Insulation resistance at 100 V _{dc} ⁴⁾		> 1	$G\Omega$	
Capacitance at 1 MHz ⁴⁾		< 1.5	pF	
DC holdover voltage $^{3)}$ at 135 V _{dc} / 1300 Ω			< 150	ms
Transverse delay time 3)		< 0.2	μs	
Arc voltage at 1 A Glow to arc transition current Glow voltage		~ 10 ~ 1 ~ 80	V A V	
Weight		~ 1.0	g	
Storage temperature		-40 +90	°C	
Climatic category (IEC 60068-1)		40/ 90/ 21		
Marking, blue negative		EPCOS EZ 350 YY O EZ - Series 350 - Nominal voltage YY - Year of production O - Non radioactive		
KB AB F / KB AB PM				ue 02 / 2007-09-

KB AB E / KB AB PM

Issue 02 / 2007-09-06



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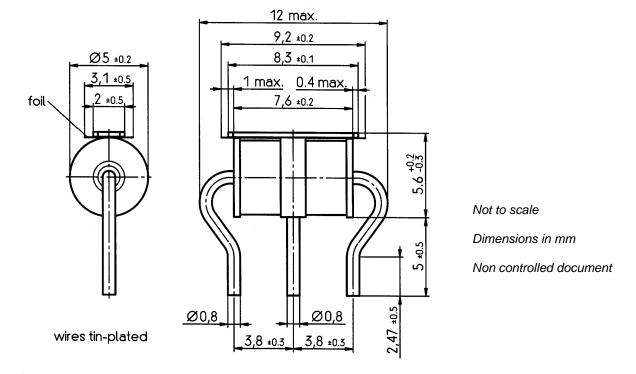
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- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3) Test according to ITU-T Rec. K.12
- 4) Tip or ring electrode to center electrode
- ⁵⁾ Total current through center electrode, half value through tip respectively ring electrode.

Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845

Arrester fail safe works at temperatures > 260 $^{\circ}$ C. The arrester has to be fixed mechanically, if the arrester is contacted by soldering and if the solder temperature is less than 260 $^{\circ}$ C.

Dimensional Drawing



Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- 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.
- Surge arrester with triggered short-circuit mechanism must not be re-used.

KB AB E / KB AB PM Issue 02 / 2007-09-06



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