

Surge arrester

3-electrode arrester

Series/Type: EZ0-A230XF

Ordering code: B88069X5460B502

Version/Date: Issue 07 / 2007-09-06

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Surge arrester B88069X5460B502
3-electrode arrester EZ0-A230XF

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)		230 ± 20	V %
Impulse spark ever volte	ago ⁴⁾			
mpulse spark-over voltage ⁴⁾ at 100 V/µs - for 99 % of measured values - typical values of distribution		< 600 < 450	V	
•	for 99 % of measured valuestypical values of distribution		< 750 < 600	V
Service life				
10 operations		50 Hz, 1 s ⁵⁾	5	Α
1 operation		50 Hz, 0.18 s ⁵⁾	5	Α
10 operations [5	5x (+) & 5x (-)]	8/20 µs ⁵⁾	5	kA
1 operation		10/350 µs ⁵⁾	1	kA
300 operations (a	alternating polarity)	10/1000 μs ⁵⁾	200	А
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} / 130	0 Ω		< 150	ms
Transverse delay time 3)		< 0.2	μs	
Arc voltage at 1 A		~ 10	V	
Glow to arc transition current		~ 1	À	
Glow voltage		~ 80	V	
Weight		~ 1.0	g	
Storage temperature		-40 + 90	°C	
Climatic category (IEC 60068-1)		40/ 90/ 21		
Marking, blue negative		EPCOS EZ 230 YY O EZ - Series 230 - Nominal voltage YY - Year of production O - Non radioactive		
KB AB F / KB AB PM				ue 07 / 2007-09-

KB AB E / KB AB PM

Issue 07 / 2007-09-06



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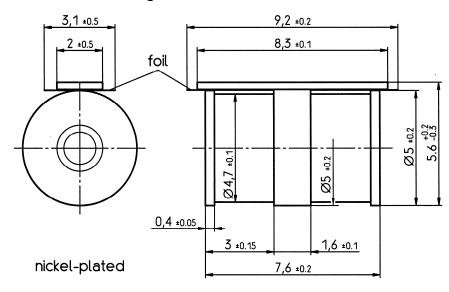
EZ0-A230XF

- 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



Not to scale

Dimensions in mm

Non controlled document

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 07 / 2007-09-06



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