



Surge arrester

3-electrode arrester

Series/Type: T23-C350XS
Ordering code: B88069X8160B502
Version/Date: Issue 04 / 2007-10-18

Features	Applications
<ul style="list-style-type: none"> ▪ Standard size ▪ Extremely fast response time ▪ Very high current rating ▪ Stable performance over life ▪ Very low capacitance ▪ High insulation resistance ▪ RoHS-compatible 	<ul style="list-style-type: none"> ▪ Branch exchange (MDF) ▪ Line protection ▪ Station protection

Electrical specifications

DC spark-over voltage ^{1) 2) 4)}	300 ... 500	V
Impulse spark-over voltage ⁴⁾		
at 100 V/μs - for 99 % of measured values	< 650	V
- typical values of distribution	< 550	V
at 1 kV/μs - for 99 % of measured values	< 800	V
- typical values of distribution	< 750	V
Insulation resistance at 100 V _{dc} ⁴⁾	> 10	GΩ
Capacitance at 1 MHz ⁴⁾	< 1.5	pF
Transverse delay time ³⁾	< 1	ms
DC hold-over voltage ³⁾		
at 150V _{dc} / 200 mA	< 150	ms
Service life		
10 operations 50 Hz; 1 s ⁵⁾	10	A _{rms}
1 operation 50 Hz; 0.18 s (9 cycles) ^{3) 5)}	130	A _{rms}
10 operations 8/20 μs ⁵⁾	20	kA
1 operation 8/20 μs ⁵⁾	25	kA
400 operations 10/1000 μs ^{3) 5)}	1000	A
Weight	~ 2	g
Storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue negative	EPCOS 350 YY O 350 - Nominal voltage YY - Year of production O - Non radioactive	

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

²⁾ In ionized mode

³⁾ Test according to RUS PE80

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 RUS PE80

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