

Surge arrester

2-electrode arrester

Series/Type:ES300XNOrdering code:B88069X4190T103Version/Date:Issue 07 / 2007-01-15

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Surge arrester

2-electrode arrester

B88069X4190T103 ES300XN

Features	Applications
Extremely small size	 Modem
 Very fast response time 	 XDSL-splitter
 Stable performance over life 	Tuner
 Extremely low capacitance 	
 High insulation resistance 	
 RoHS-compatible 	

Electrical specifications

DC spark-over voltage ^{1) 2)}	300 ± 15	V %
Impulse spark-over voltage at 100 V/µs - for 99% of measured values - typical values of distribution	< 480 < 450	VVV
at 1 kV/µs - for 99% of measured values - typical values of distribution	< 550 < 500	V V
Service life		
10 operations 8/20 μs	2.5	kA
1 operation 8/20 μs	5	kA
Insulation resistance at 100 V_{dc}	> 1	GΩ
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 15 < 0.5 ~ 130	V A V
Weight	~ 0.3	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1) 40/ 90/ 21		
Marking, red positive	EPCOS ES 300 YYES- Series300- Nominal voltageYY- Year of productionO- Non radioactive	

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

²⁾ In ionized mode

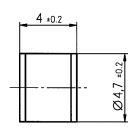
Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845

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Dimensional drawing



tin-plated

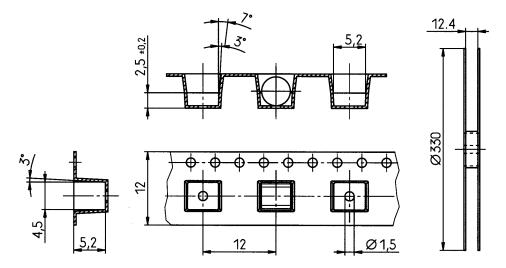
 Not to scale Dimensions in mm

Non controlled document

recommended pad outline

Packing advice

T103 = 1000 pcs. on tape and reel



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 lead contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

KB AB E / KB AB PM

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