



Surge arrester

2-electrode arrester

Series/Type: ES300XN
Ordering code: B88069X4190T103
Version/Date: Issue 07 / 2007-01-15

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

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	V V
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	GK
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A	~ 15	V
Glow to arc transition current	< 0.5	A
Glow voltage	~ 130	V
Weight	~ 0.3	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red positive	ES 300 YY O ES - Series 300 - Nominal voltage YY - Year of production O - 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

