



## 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 <sup>1) 2)</sup>	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 <sub>dc</sub>	> 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	<b>ES 300 YY O</b> ES - Series 300 - Nominal voltage YY - Year of production O - Non radioactive	

<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

<sup>2)</sup> In ionized mode

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



