


**Surge Arrester**
**HG100F-500**
**2-Electrode Arrester**
**Ordering Code: 00 164**
**Preliminary data**

DC Spark-Over Voltage <sup>1)</sup>	400...750	V
Impulse Spark-Over Voltage at 5kV/μs - for 99% of measured values (wave 1,2/50μs, 6kV)	<1500	V
Insulation resistance at 100VDC	>1	GΩ
Capacitance at 1MHz <sup>1)</sup>	5	pF
Nominal Impulse Discharge Current (wave 8/20μs) 15 operation	75	kA
Impulse Discharge Current (wave 8/20μs)		
1 operation	15	kA
+1 operation	37	kA
+1 operation	75	kA
+1 operation	112	kA
+1 operation	150	kA
Lightning Impulse Discharge Current (wave 10/350)		
1 operation	10	kA
+1 operation	25	kA
+1 operation	50	kA
+1 operation	75	kA
+1 operation	100	kA
Nominal Alternating Discharge Current (50Hz, 1sec) 5 operation	100	A
Arc Voltage at 1A	~35	V
Glow to Arc Transition Current	~1	A
Glow Voltage	~200	V
Weight	120	g
Dimension	Ø35, l = 23,5 (body) l = 45 (total length with screw fixation M8)	mm
Operation and Storage Temperature	-40 ÷ +90	°C
Climatic Category (IEC 60068-1)	40/90/21	
Marking, black	<b>HG100F-500 YY ○</b>	00 164

1) In ionised mode

Terms in accordance with ITU-T Rec. K-12,

DIN 57845/VDE 0845, EN 61643-11:2002 and IEC 61643-21:2000

**500** - Nominal Voltage

**YY** - Year of the Production

**○** - Non Radioactive