


Surge Arrester
HG20F-500
2-Electrode Arrester
Ordering Code: 00163

Preliminary data

DC Spark-Over Voltage ¹⁾	400...750	V
Impulse Spark-Over Voltage - for 99% of measured values (wave 1,2/50µs, 6kV)	<1500	V
Insulation Resistance at 100VDC	>1	GΩ
Capacitance at 1MHz ¹⁾	3,8	pF
Nominal Impulse Discharge Current (wave 8/20µs) 15 operation	20	kA
Impulse Discharge Current (wave 8/20µs) 1 operation	4	kA
+1 operation	10	kA
+1 operation	20	kA
+1 operation	30	kA
+1 operation	40	kA
Lightning Impulse Discharge Current (wave 10/350) 1 operation	1	kA
+1 operation	2,5	kA
+1 operation	5	kA
+1 operation	7,5	kA
+1 operation	10	kA
Single Lightning Impulse Discharge Current (wave 10/350) 1 operation	20	kA
Nominal Alternating Discharge Current (50Hz, 1sec) 10 operation	15	A
Arc Voltage at 1A	~35	V
Glow to Arc Transition Current	~1	A
Glow Voltage	~200	V
Weight	6,5	g
Dimension	Ø19, l = 6,5	mm
Operation and Storage Temperature	-40++90	°C
Climatic Category (IEC 60068-1)	40/90/21	
Marking, black	HG20F-500 YY ○	00 163

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