

Technical Characteristics

Rated voltage, U_r : **6 kV**

Maximum continuous operating voltage, U_c : **5,1 kV**

Rated discharge current (8/20 μ s), I_r : **10 kA**

Rated short circuit current, I_{sc} : **16 kA**

Line discharge class: **1**

High current impulse (4/10 μ s): **100 kA**

Long duration current impulse (2000 μ s): **250 A**

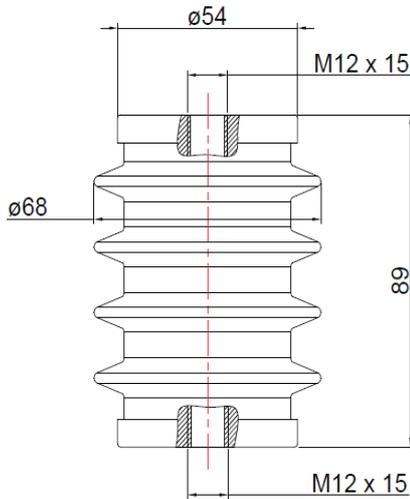
Energy absorption capability: **8,4 kJ**

Reference current: **5 mA**

Minimum reference voltage at reference current: **6,5 kV**

Minimum voltage at 1mA dc: **8,4 kV dc**

Dimensions (mm)



Arrester Housing

Housing material of arrester:
Silicone

Creepage distance of insulator:
112 mm

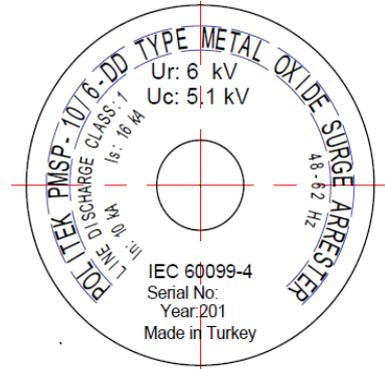
Impulse voltage withstand (1,2/50 μ s):
22,3 kV

Power frequency voltage withstand, dry:
10,3 kV

Cantilever strength M12:
220 Nm

Weight of arrester:
0,63 kg

Nameplate



Residual voltages

Steep current
impulse
(1/20 μ s)

Lightning impulse voltage
(8/20 μ s)

Switching impulse voltage
(30/60 μ s)

10 kA	2,5 kA	5 kA	10 kA	20 kA	40 kA	125 A	500 A
21,0 kV	17,3 kV	18,0 kV	19,2 kV	19,6 kV	19,8 kV	14,4 kV	14,8 kV

Power Frequency Withstand Voltage versus Time Characteristic

- Without preheating and without load
- ◆ Preheated to 60 degrees centigrade and then subjected to high current

