

# PMAP

## Metal Oxide Surge Arresters

Rated Voltage : 0,280kV – 1kV

Nominal Discharge Current : 2,5kA and 5kA

IEC 60099-4

Technical Characteristics		Type									
		PMAP-2,5/0,280	PMAP -2,5/0,500	PMAP -2,5/0,660	PMAP -2,5/0,750	PMAP - 2,5/1,000	PMAP - 5/0,280	PMAP - 5/0,500	PMAP - 5/0,660	PMAP - 5/0,750	PMAP - 5/1,000
Rated voltage (Ur)	kV	0,280	0,500	0,660	0,750	1,000	0,280	0,500	0,660	0,750	1,000
Maximum continuous operating voltage (Uc)	kV	0,220	0,400	0,530	0,600	0,800	0,220	0,400	0,530	0,600	0,800
Rated discharge current (8/20 $\mu$ s)	kA	2,5	2,5	2,5	2,5	2,5	5,0	5,0	5,0	5,0	5,0
High current (4/10 $\mu$ s) withstand	kA	25	25	25	25	25	65	65	65	65	65
Short circuit withstand current	kA	3	3	3	3	3	3	3	3	3	3
Long duration current impulse (2000 $\mu$ s)	A	50	50	50	50	50	75	75	75	75	75
Energy absorption capability	kJ	0,35	0,70	0,92	1,05	1,40	0,35	0,70	0,92	1,05	1,40
Maximum residual voltages											
1,25 kA (8/20 $\mu$ s)	kV peak	1,3	2,5	3,3	3,8	5,0					
2,5 kA (8/20 $\mu$ s)		1,4	2,7	3,6	4,1	5,4	1,3	2,5	3,3	3,8	5,0
5 kA (8/20 $\mu$ s)		1,5	2,9	3,8	4,4	5,8	1,4	2,7	3,6	4,1	5,4
10 kA (8/20 $\mu$ s)							1,5	2,9	3,8	4,4	5,8
Minimum reference voltage at 5mA reference current	kV rms	0,30	0,54	0,72	0,82	1,10	0,30	0,54	0,72	0,82	1,10
Total creepage distance	mm	52	52	52	52	52	52	52	52	52	52
Weight of arrester	kg	0,170	0,180	0,190	0,190	0,210	0,170	0,180	0,190	0,190	0,210
Housing material	ABS										

### Power Frequency Withstand Voltage versus Time Characteristics

- Without preheating, and without load
- ◆ Preheated to 60 °C and then subjected to high current

