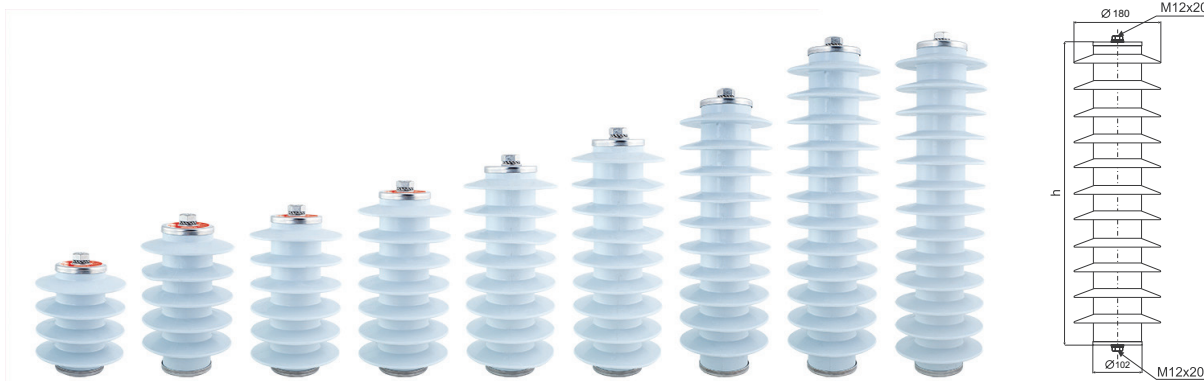


OVERVOLTAGE LIMITER PSP */10/III - LINE DISCHARGE CLASS 3

outdoor and indoor use



PSP */10/III – overvoltage limiters designed for protecting of high-voltage transmission systems, transformers, switching equipment and HV cable distribution systems against atmospheric and switching overvoltage effects. The functional part of the limiters consists of a column of varistors sized for max. continuous operating voltage U_c . The outer insulating shell is made from silicon material (grey colour). The material of the shell shows high resistance to the effects of surface leakage currents and to electric arc, possesses hydrophobic properties and shows excellent resistance to weather effects,

pollution and UV radiation. The cover caps, connecting screws, nuts and terminals are made of stainless steel. With their design and technical parameters, the overvoltage limiters of the PSP series conform to the standards EN 60099-4: 2014 and IEC 60099-4: 2014.

Type		PSP 5/10/III	PSP 7/10/III	PSP 10/10/III	PSP 12/10/III	PSP 15/10/III	PSP 18/10/III
Max. continuous operating voltage	U_c	4,8 kV	6,9 kV	9,9 kV	12 kV	15 kV	18 kV
Nominal voltage	U_f	6 kV	8,6 kV	12,4 kV	15 kV	18,75 kV	22,5 kV
Nominal discharge current	I_n	10 kA	10 kA	10 kA	10 kA	10 kA	10 kA
High impulse current (4/10)		2 x 100 kA	2 x 100 kA	2 x 100 kA	2 x 100 kA	2 x 100 kA	2 x 100 kA
Long current impulse (2 ms)		850 A	850 A	850 A	850 A	850 A	850 A
Discharge class acc. to EN 60099-4		3	3	3	3	3	3
Residual voltage at I_n	U_{res}	$\leq 17,7$ kV	$\leq 24,9$ kV	$\leq 35,6$ kV	$\leq 42,8$ kV	$\leq 53,5$ kV	≤ 63 kV
Height (+5 / -2 mm)	h	126 mm	147 mm	176 mm	196 mm	226 mm	255 mm
Operating temperature range	ϑ	-40 °C ÷ + 55 °C					
Protection type		IP65					
Weight	m	2,9 kg	3,9 kg	4,4 kg	5 kg	5,4 kg	5,9 kg
Article number		96006	96007	96008	96009	96010	96011

Type		PSP 22/10/III	PSP 24/10/III	PSP 29/10/III	PSP 32/10/III	PSP 36/10/III	PSP 39/10/III
Max. continuous operating voltage	U_c	21,9 kV	24 kV	28,8 kV	31,8 kV	36 kV	39 kV
Nominal voltage	U_f	27,4 kV	30 kV	36 kV	38,8 kV	45 kV	48,75 kV
Nominal discharge current	I_n	10 kA	10 kA	10 kA	10 kA	10 kA	10 kA
High impulse current (4/10)		2 x 100 kA	2 x 100 kA	2 x 100 kA	2 x 100 kA	2 x 100 kA	2 x 100 kA
Long current impulse (2 ms)		850 A	850 A	850 A	850 A	850 A	850 A
Discharge class acc. to EN 60099-4		3	3	3	3	3	3
Residual voltage at I_n	U_{res}	$\leq 78,4$ kV	$\leq 85,6$ kV	$\leq 103,3$ kV	≤ 114 kV	$\leq 128,4$ kV	$\leq 139,1$ kV
Height (+5 / -2 mm)	h	292 mm	312 mm	360 mm	390 mm	432 mm	460 mm
Operating temperature range	ϑ	-40 °C ÷ + 55 °C					
Protection type		IP65					
Weight	m	6,4 kg	7 kg	7,9 kg	8,4 kg	9 kg	9,4 kg
Article number		96012	96013	96015	96016	96017	96018

Note: The weight is indicative only and may vary. We can send accurate data on your request.