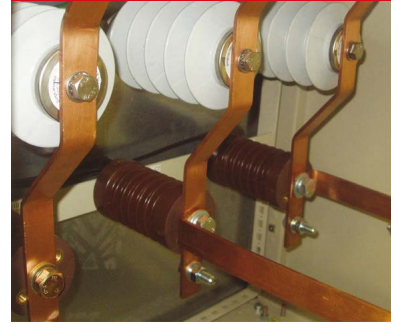


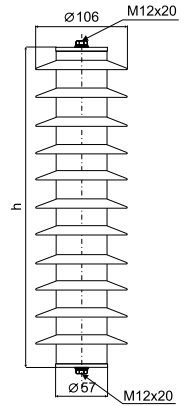
**OVERVOLTAGE LIMITER PSP \*/10kA - LINE DISCHARGE CLASS 1**  
The limiters are suitable for both outdoor and indoor use

**OVERVOLTAGE LIMITER**  
**PSP \*/10kA**  
LINE DISCHARGE CLASS 1  
OUTER LIMITER - AC NETWORKS



**OVERVOLTAGE LIMITER PSP \*/10kA - LINE DISCHARGE CLASS 1**

PSP \*/10kA – energy class I – overvoltage limiters designed for protecting high-voltage transmission networks; transformers, switchgear and HV cable distribution systems from the effects of atmospheric and switching overvoltage. The functional part of the limiters consists of a column of varistors sized for continuous operating voltage  $U_c$ , the outer insulating shell is composed of silicon caoutchouk (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 suitable for the connection of a conductor with a diameter of 6 to 16 mm. With their design and technical parameters, the overvoltage limiters of the PSP series conform to the standards IEC/TC (37.13), IEC 60099-4 and EN 60099-4.



Technical data		PSP 7/10	PSP 10/10	PSP 12/10	PSP 14/10	PSP 17/10	PSP 22/10	PSP 24/10	PSP 25/10	PSP 30/10	PSP 36/10	PSP 39/10
Max. continuous operating voltage (AC)	$U_c$	7 kV	10 kV	12 kV	14 kV	17 kV	22 kV	24 kV	25 kV	29 kV	36 kV	39 kV
Nominal voltage (AC)	$U_n$	9 kV	12 kV	15kV	18 kV	21kV	27 kV	30 kV	30 kV	36 kV	45 kV	48 kV
Nominal discharge current	$I_n$	10 kA	10 kA	10 kA	10 kA	10 kA	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	2 x 100 kA	2 x 100 kA	2 x 100 kA	2 x 100 kA	2 x 100 kA
Long current impulse (2ms)		400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A
Discharge class acc. to EN 60099-4		1	1	1	1	1	1	1	1	1	1	1
Residual voltage at $I_n$	$U_{res}$	$\leq 27$ kV	$\leq 36$ kV	$\leq 45$ kV	$\leq 54$ kV	$\leq 63$ kV	$\leq 81$ kV	$\leq 90$ kV	$\leq 90$ kV	$\leq 108$ kV	$\leq 135$ kV	$\leq 144$ kV
Height	$h$	135 mm	154 mm	175 mm	190 mm	220 mm	253 mm	280 mm	280 mm	313 mm	380 mm	400 mm
Operating temperature range	$\theta$	-35°C ++ 55°C	-35°C ++ 55°C	-35°C ++ 55°C	-35°C ++ 55°C	-35°C ++ 55°C	-35°C ++ 55°C	-35°C ++ 55°C	-35°C ++ 55°C	-35°C ++ 55°C	-35°C ++ 55°C	-35°C ++ 55°C
Weight	$m$	1,3 kg	1,45 kg	1,7 kg	1,9 kg	2,2 kg	2,6 kg	2,8 kg	2,8 kg	3,2 kg	3,9 kg	4,2 kg
Article number		91002	91017	91005	91019	91007	91021	91011	91009	91023	91013	91015

**Transport and storage**

The overvoltage limiters may not be exposed to strong shocks and impacts during transport. They should be stored in the long term in an indoor store.

**Maintenance**

No testing of the function or maintenance such as cleaning is necessary during the anticipated life of the limiter.

