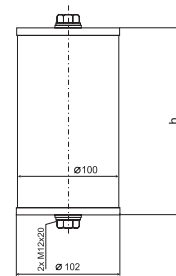


OVERVOLTAGE LIMITER PSPI */20 kA - LINE DISCHARGE CLASS 4

indoor use



PSPI */20/IV - overvoltage limiters designed to protect converter stations and DC systems of electric traction systems linked to them from the effects of atmospheric and switching overvoltage. They are used for protecting traction lines, electrical equipment of trolleybuses, trams and electric trains. They do not require any maintenance during their operation. The PSPI */20/IV series is intended for indoor applications. 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 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 PSPI series conform to the standards EN 60099-4: 2014, IEC 60099-4: 2014 and EN 50526-1: 2012.

Type	PSPI 1/20/IV	PSPI 1/20/IV SL	PSPI 2/20/IV	PSPI 3/20/IV	PSPI 4,2/20/IV	PSPI 4,7/20/IV	PSPI 5/20/IV
Continuous operating voltage (DC) $U_c (= U_r)$ *	1,2 kV	1 kV	1,94 kV	3,5 kV	4,2 kV	4,7 kV	5,85 kV
Nominal discharge current	I_n 20 kA	20 kA	20 kA	20 kA	20 kA	20 kA	20 kA
Use in power net	600/750 V	600 V	1500 V	special application	3000 V	3000 V	special application
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
Long current impulse (2 ms)	1350 A	1350 A	1350 A	1350 A	1350 A	1350 A	1350 A
Discharge class acc. to EN 60099-4	4	4	4	4	4	4	4
Residual voltage at I_n	$U_{res} \leq 3,1$ kV	$\leq 2,7$ kV	$\leq 5,4$ kV	$\leq 9,3$ kV	$\leq 11,8$ kV	$\leq 12,4$ kV	$\leq 15,5$ kV
Height	h 85 mm	85 mm	102 mm	117 mm	130 mm	134 mm	151 mm
Operating temperature range	ϑ	- 40 °C ÷ + 55 °C					
Protection type		IP62					
Weight	m 1,9 kg	1,9 kg	2,3 kg	2,9 kg	3,3 kg	3,4 kg	4 kg
Article number	94008	94008 SL	94009	94010	94013	94011	94012

*The rated voltage U_r of the arrester coincides with the continuous operating voltage U_c .
Note: The height and weight are indicative only and may vary. We can send accurate data on your request.