

SA-1 surge arrester for tram traction

PSPI 1/10/III surge arrester for tram traction, mounted in a cabinet with outer frame for easier attachment to a traction mast

It is placed past the FB-1 fuse box and protects the device that is connected to the FB-1 fuse box (*switch, oil-pad head, ticket machine...*).

PSPI 1/10/III and PSPI 1/10/III-SL are overvoltage limiters designated for protection of traction equipment connected from the traction lines, traction vehicles and converter stations from the effects of atmospheric and switching overvoltage.

With their variants and technical parameters, the PSP-series overvoltage limiters comply with EN 60099-4, IEC 60099-4 and EN 50526-1.



SA-1

surge arrester for tram traction

Surge arrester type	PSPI 1/10/III	PSPI 1/10/III-SL
Continuous operating voltage (DC) U_c (U_r)	1,25 kV	1 kV
Nominal discharge current I_n	10 kA	10 kA
Usage in traction system	600/750 V	600/750 V
High impulse current (4/10)	2 x 100 kA	2 x 70 kA
Long current impulse (2 ms)	850 A	850 A
Line discharge class according to EN 60099-4	3	3
Residual voltage at I_n (U_{res})	$\leq 3,5$ kV	$\leq 2,5$ kV
Operating temperature	-50 do +80 °C	
Degree of protection	IP 67	
Door	opaque	
Dimensions	300 x 185 x 175 mm	