

SA-2 surge arrester for trolleybus traction

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

It is placed past the FB-2 fuse box and protects the device that is connected to the FB-2 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 PSPI-series overvoltage limiters comply with EN 60099-4, IEC 60099-4 and EN 50526-1.



SA-2

surge arrester for trolleybus traction

Surge arrester type	PSP1 1/10/III	PSP1 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 to +80 °C	
Degree of protection	IP 67	
Door	opaque	
Dimensions	370 x 300 x 175 mm	