

Surge arrester

SPI

SPI is a screened metal oxide surge arrester with silicone rubber connector for connection to plug in type bushings acc. EN 50180/50181. Surge arrester protecting medium voltage networks, e. g. transformers, switchgears and cables. Incoming overvoltage waves and voltage increase by reflection are limited. For surge arrester type tests according to IEC 60099-4 are valid.

- ✓ compact design
- ✓ quick and easy assembly
- ✓ assembly without special tools
- ✓ fully screened by a bonded outer conductive layer of silicone
- ✓ connector made from special designed silicone-rubber
 - very high elasticity
 - weather and ageing resistance
 - non-flammable, halogen free

- 1 Bushing
- 2 Connector casing
- 3 Surge arrester

Arrester housing

	$U_c = 24 \text{ kV}$	$U_c = 42 \text{ kV}$
	$U_r = 30 \text{ kV}$	$U_r = 52.5 \text{ kV}$
Impulse voltage 1,2/50 μ s	125 kV	200 kV
Power frequency voltage	60 kV	95 kV
Dimension L	340 mm	460 mm

Technical Data:

	SPI 2 24-5	SPI 3 42-10
continuous operating voltage U_c	24 kV	42 kV
rated voltage U_r	30 kV	52,5 kV
nominal discharge current I_n	5 kA	10 kA
partial discharge at $1.05 \times U_c$	< 5 pC	< 5 pC
residual voltage at:		
- long duration current impulse 125 A, 30/60 μ s	60,6 kV	99,4 kV
- lightning current impulse 5/10 kA, 8/20 μ s	79,7 kV	140 kV
long duration current impulse	150 A	325 A
High current impulse	65 kA	100 kA

