

INDUCTIVE VOLTAGE TRANSFORMERS FOR TRANSMISSION LINES

Characteristics		TPI 115 kV	TPI 138 kV	TPI 230 kV	TPI 400 kV
Rated voltage (kV)		115	138	230	400
Max. Design voltage (kV)		123	145	245	420
Power frequency Withstand voltage (kV effective)	Internal	230	275	460	630
	External	275	325	510	680
Power Frequency Withstand voltage (secondary) (kV)		19	19	19	19
Lightning impulse withstand voltage (kV cresta)	Internal	550	650	1050	1425
	External	650	750	1175	1550
Primary voltage (kV)		69	80.5	138	241.5
Secondary voltage (V)		115-69	115-67.08	115-69	115-69
Class		0.2	0.2	0.2	0.2
Burden		0-100	0-100	0-100	0-100
Voltage ratio		69 000:115-69	80 500:115-67.08	138 000:115-69	241 500:115-69
Min. Creepage distance (mm)		3813	4495	7595	13020
Operation altitude (mm)		Above 2500	Above 2500	Above 2500	Above 2500

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