



THE FIRST CHOICE OF ENERGY EFFICIENCY

ELCO SHUNT REACTOR



PRODUCT INFORMATION - SHUNT REACTOR

Reactor Typed	SR02ELCO0250ALU		SR02ELCO0500ALU		SR02ELCO0750ALU		SR02ELCO1000ALU		SR02ELCO1500ALU		SR02ELCO2000ALU	
	415V	440V	415V	440V	415V	440V	415V	440V	415V	440V	415V	440V
Inductance (mH)	21.91±5%	24.64±5%	10.95±5%	12.32±5%	7.31±5%	8.21±5%	5.48±5%	6.16±5%	3.65±5%	4.1±5%	2.74±5%	3.08±5%
Nominal Current (A)	34.80	32.80	69.60	65.60	104.30	98.40	139.10	131.20	208.70	196.80	278.20	262.40
Thermal Current (A)	8											
Saturation Peak Current (A ⁸)	52.2	49.2	104.4	98.4	156.4	147.6	208.6	196.8	313	295.2	417.3	393.6
Nominal Voltage (V)	415											
Frequency (Hz)	50											
Winding Resistance (MΩ)	73.1	75.8	50.6	52.1	27.3	28.5	19.9	21.2	13.4	14.9	9.1	9.5
Insulation Class	F											
Relevant Standard	IEC 60076-6											
Reactive Power	25kvar- 415V	25kvar- 440V	50kvar - 415V	50kvar - 440V	75kvar - 415V	75kvar - 440V	100kvar - 415V	100kvar - 440V	150kvar - 415V	150kvar - 440V	200kvar - 415V	200kvar - 440V
Total Losses (W)	500	500	950	950	1300	1300	1650	1650	2500	2500	3150	3150
Over Temperature Protection	155°C (±5°C)											
Winding Material	Aluminium											
Connection Type	Bar											
Dimension, W x D x H (mm)	460 x 360 x 410	460 x 360 x 410	540 x 390 x 480	540 x 390 x 480	600 x 415 x 535	600 x 415 x 535	660 x 460 x 600	660 x 460 x 600	660 x 500 x 600	660 x 500 x 600	850 x 500 x 845	850 x 500 x 845
Weight (kg)	120	120	180	180	295	295	360	360	470	470	606	606

Shunt reactors are mainly used in places with long power transmission and distribution lines. Especially for supplying telecommunication stations in urban areas like radio, GSM and TV transmitters with electricity, long overland cables must be used.

More and more solar and BioGen facilities require these products in order to comply with Voltage Regulation conditions set by utilities .

FEATURES

- One or three phase,
- High permeability iron core,
- High quality copper or aluminium windings,
- Thermal fuse protection against overheating in all phases,
- Low losses, high efficiency
- Vacuum impregnated varnish to ensure silent and moisture-immunity operation
- CE approved compatible with IEC60076-6

PRODUCT DIMENSION

