

## CS-50-I

### Indoor Current Sensor

The CS-50-I is an electronic current transformer for indoor use. The sensor utilizes Rogowski coil technology capable of measuring a wide dynamic range of current measurements with high accuracy, from varying system loads to fault currents. CS-50-I is suitable for low voltage applications or for being mounted on the insulated portion of MV cables.

#### CS-50-I features

Rated insulation level	0.72 / 3 / - kV
Accuracy Class*	For protection 5P40 For measurements 0.5
Rated primary Current, $I_{pr}$ *	630 A
Rated secondary voltage, $U_{sr}$ *	0.2 V
Nominal frequency	50/60 Hz
Nominal transformation ratio, $K_n$	630 A / 0.2 V
Rated Continuous Thermal Current, $I_{cth}$	2400 A
Rated Short-time Thermal Current, $I_{th}$	31.5 kA / 3s
Dynamic Nominal Current, $I_{dyn}$	80 kA
Rated primary time constant, $T_{pr}$	20 ms
Auxiliary Supply voltage	$\pm 12$ Vdc
Max. and Typ. Supply current	15 mA
Weight	0.4 kg (0.9 lbs)
Applicable Standards	IEC 60044-8
Bandwidth (-3 dB)	30 Hz – 5 kHz



\*Customizable parameters, available with different values upon request.