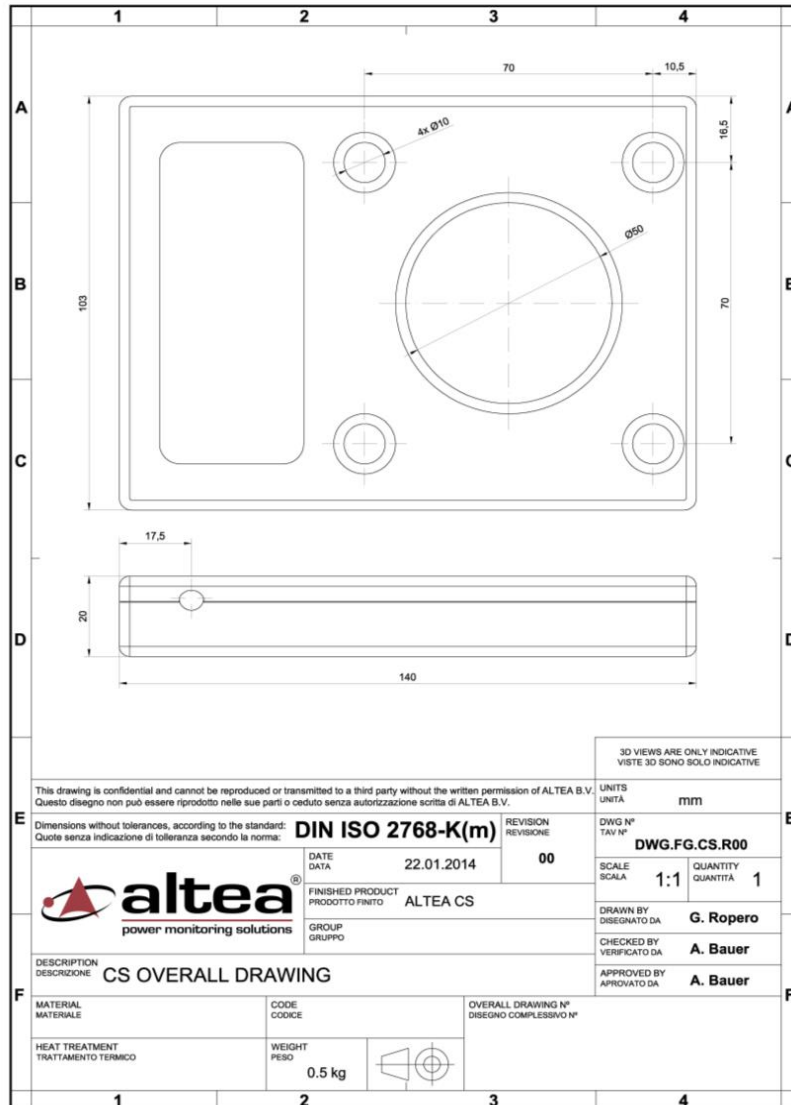




CS-P-50-I

INDOOR CURRENT SENSOR


The **CS-P-50-I** is a Rogowski coil for Indoor use. The coil is included in a plastic case for LV applications. In MV substations the Altea CS must be mounted on the shielded portion of the cable. The output signal is representative of the derivative of the primary current. Main electrical characteristics of CS-P-50-I are listed in the table below, where * marks parameters customizable upon request.

Rated insulation level	0,72 / 3 / - kV	
Accuracy class (with correction coefficient of Ratio)	For protection	5P40
	For measurement	0.2 or 0.5
Rated primary Current, I_{pr} *	100 A - 1000 A (100 A step)	
Nominal frequency	50/60 Hz	
Nominal transformation ratio *, K_n	300 A / 80 mV	
Rated Burden R_{br}	100 k Ω	
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, τ_{pr}	20 ms	
Weight	0,4 kg	
Applicable Standards	IEC 61869-10	
Accuracy on harmonics	according to IEC 61869-10	
Bandwidth (-3 dB)	30 Hz – 5 kHz	



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