Current Sensor Expert
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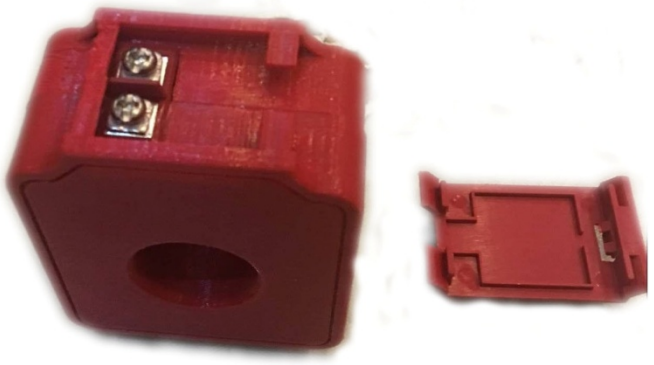


Description

- ♦ High frequency up to 15KHz
- ♦ High measuring current up to 300A
- ♦ Accuracy class 1.0%
- ♦ Very low temperature coefficient
- ♦ Meets UL class B (130℃) thermal insulation system
- ♦ Meets UL 94V-0
- ♦ AC Hi-pot test: 3KV for 60s,2Ma
- ♦ Insulation resistance: 500MΩ/500V/min

Application

- EV Charger
- Charger station
- Power monitoring
- Energy management
- Alternative energy monitoring

ELECTRIC SPECIFICAITON AT 25℃

Model number	Turns Ratio	Ipri[3]	Iout[4]	L[5]	R_S[6]	Accuracy Class	Weight	Frequency range
		Amps	**A**	**mH**	**Ohms**		**(g)**	**(KHz)**
LO-CS0200	1:200	300	1.5	50-200	0.5-0.8	1.0%	60	15

Note:

1.Output voltage is proportional to the derivative(di/dt)of the input current based on the Rogowski Coil principle.

2.All current and voltages assumed to be sinusoidal waveforms at Fr, the constant rated frequency in Hz, measured as RMS value.

3.Ipri=Rated primary current.

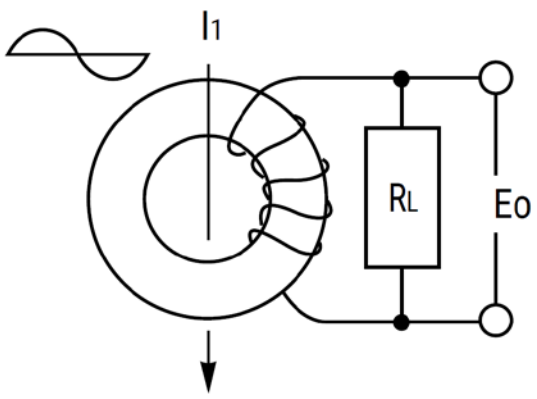
4.Iout=Rated secondary current.

5.L=Secondary inductance

6.R_S=Secondary resistance value

ABSOLUTE MAXIMUM RATINGS	
Operating free air temperature range	-25℃ to 70℃
Storage temperature range	-35℃ to 75℃
CONNECTOR INFORMATION	
Bolt -type crimp terminal	

Measuring Circut



I_1 : Primary current (AT)
R_L : Load resistance (Ω)
Eo : Output voltage (mV_{rms})

Mechanical Specifications

Unit: mm