



CURRENT SENSOR TRANSFORMER (CST-01 SERIES)

Features:

- The current sensor transformers are designed and built to meet the US and international safety standards.
- Primary current up to 40A.
- Frequency range: 47 to 400Hz.
- Insulation grade from Class B to Class F are available.
- Operating temperature range: -40°C to +70°C.
- Storage temperature range: -55°C to +130°C.
- Cross Reference: Renco current sensor products.
- Custom versions upon requested.
- According to:

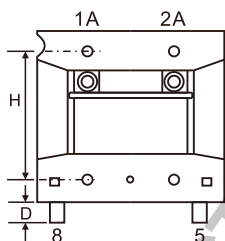
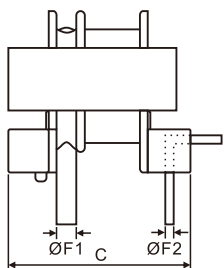
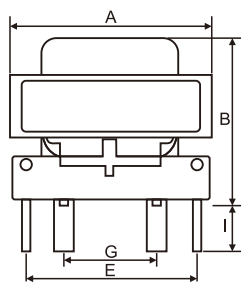


Fig1

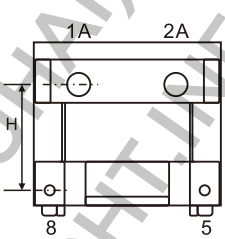
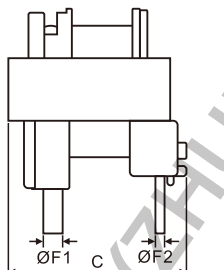
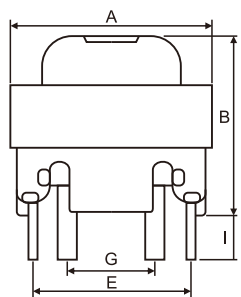
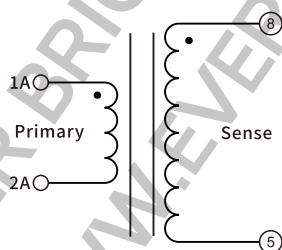


Fig2

•Schematic



Size	Dimensions(mm)										Fig	Weight (g)
	A	B	C	D	E	F1	F2	G	H	I		
CST01A	19.5	17.0	18.0	2.5	15.24	2.0	0.8	9.4	10.16	5.0	1	13
CST01B	19.5	18.0	18.0	-	15.24	2.0	0.8	9.4	10.16	5.0	2	13

Part No.	Turns Ratio	RL ^{max} (Ohms)	Output (mV/A)±5%	Primary Resistance (Ohms)	Secondary Resistance (Ohms)	Sense Inductance (H)	Fig Ref.
CST01A-001	1:50	0.2	3.75	0.03	0.198	0.008	1
CST01A-002	1:100	1	9.7	0.03	0.785	0.025	1
CST01A-003	1:150	2	13.9	0.03	1.7	0.06	1
CST01A-004	1:200	4.7	20	0.03	3.2	0.12	1
CST01A-005	1:300	10	31.7	0.03	7.4	0.27	1
CST01A-006	1:500	20	37.2	0.03	21	0.72	1
CST01A-007	1:1000	100	91.7	0.03	86	2.4	1
CST01A-008	1:1500	200	123.3	0.03	220	5.2	1
CST01B-001	1:50	0.2	3.75	0.03	0.198	0.008	2
CST01B-002	1:100	1	9.7	0.03	0.785	0.025	2
CST01B-003	1:150	2	13.9	0.03	1.7	0.06	2
CST01B-004	1:200	4.7	20	0.03	3.2	0.12	2
CST01B-005	1:300	10	31.7	0.03	7.4	0.27	2
CST01B-006	1:500	20	37.2	0.03	21	0.72	2
CST01B-007	1:1000	100	91.7	0.03	86	2.4	2
CST01B-008	1:1500	200	123.3	0.03	220	5.2	2

Notes:

1. The output voltage is linear in the whole range of primary current, if the chosen load resistor is not higher than value RL^{max} .
2. Sense inductance measured at 1V, 100Hz, serial.