AC MINI CURRENT SENSOR

CS-650 Mini Series

The CS-650 series of mini current sensors monitor line current for electrical loads such as pumps, conveyors, machine tools or fans and provide an output of 0-5 Vdc to represent the load current. The CS-650 requires no external power supply as it is powered by induction of the AC line being monitored.

PRODUCT HIGHLIGHTS

* self-powered and no insertion loss
* 0-5 Vdc Output
* average measurement
* solid-state reliability
* input / output isolation via current transformer
* compact form factor
* solid, reliable mounting

SPECIFICATIONS

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| MEASUREMENT RANGE | 0-10, 20, or 50 Amps |
| MAXIMUM INPUT CURRENT | 100 Amps continuous |
| ACCURACY | ±1% FSO (5-100% of range) |
| SIGNAL OUTPUT | 0-5 Vdc |
| SENSOR POWER | Self-powered |
| INSULATION CLASS | 600 Vac, insulated conductors |
| FREQUENCY | 50/60 Hz |
| RESPONSE TIME | 250 mS typical, 0-95% |
| OUTPUT LOAD | 1 MΩ typical |
| LOADING ERROR | Add 1.2% error with 100KΩ |
| OPERATING TEMPERATURE | -15 to 60°C (5 to 140°F) |
| OPERATING HUMIDITY | 5 to 90 %RH non-condensing |
| TERMINAL BLOCK | 14 to 22 AWG |
| DIMENSIONS | 48mm W x 49mm H x 21mm D (1.9” x 1.93” x 0.83”) |
| SENSOR APERTURE | 11.4mm (0.45”) |
| ENCLOSURE MATERIAL | ABS/PC, UL94-V0 |
| AGENCY APPROVALS | cULus listed |