SPLIT-CORE AC CURRENT SENSOR

SC-650 Series

The SC-650 series incorporates:

* split-core design
* self-powered and no insertion loss
* 0-5 Vdc Output
* average measurement
* solid-state reliability
* input / output isolation via current transformer

PRODUCT HIGHLIGHTS

* compact form factor
* solid, reliable mounting

SPECIFICATIONS

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| MEASUREMENT RANGE  | **SC-650-R1:** 0-10/20/50 Amps**SC-650-R2:** 0-50/10/150 Amps**SC-650-R2:** 0-50/10/150 Amps |
| MAXIMUM INPUT CURRENT | **SC-650-R1:** 100 Amps continuous**SC-650-R2:** 150 Amps continuous**SC-650-200:** 250 Amps continuous |
| ACCURACY | **SC-650-R1/R2:** ±2% FSO, **SC-650-200:** ±1% FSO (5-100% of range) |
| SIGNAL  | 0-5 Vdc |
| SENSOR POWER  | Self-powered |
| INSULATION CLASS  | 600 Vac, insulated conductors |
| FREQUENCY  | 50/60 Hz |
| RESPONSE TIME  | 200 mS typical, 0-90% |
| OUTPUT LOAD  | 1 MΩ typical |
| LOADING ERROR  | Add 0.5% 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  | 76mm W x 79mm H x 24.9mm D (3” x 3.1” x 0.98”) |
| SENSOR APERTURE  | 20.3mm (0.8”) |
| ENCLOSURE MATERIAL  | ABS/PC, UL94-V0 |
| AGENCY APPROVALS  | cULus listed |