SPLIT-CORE AC CURRENT SENSOR

SC-675 Series

The SC-675 series incorporates:

* self-powered and no insertion loss
* 4-20 mA Output
* rue RMS 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-675-2:** 0-2 Amps**SC-675-5:** 0-5 Amps**SC-675-R1:** 0-10/20/50 Amps**SC-675-R2:** 0-50/100/150 Amps**SC-675-200:** 0-200 Amps |
| MAXIMUM INPUT CURRENT | **SC-675-2:** 10 Amps continuous**SC-675-5:** 15 Amps continuous**SC-675-R1:** 3X range continuous**SC-675-R2:** 2X range continuous**SC-675-200:** 250 Amps continuous |
| ACCURACY | **SC-675-R1/R2:** ±2% FSO, **SC-675-2/5/200:** ±1% FSO (5-100% of range) |
| SIGNAL  | 4-20 mA |
| SENSOR POWER  | 15 to 30 Vdc (loop-powered) |
| INSULATION CLASS  | 600 Vac, insulated conductors |
| FREQUENCY  | 50/60 Hz |
| RESPONSE TIME  | 500 mS typical, 0-90% |
| OUTPUT LOAD  | 250Ω typical  |
| MAXIMUM LOAD  | >600 Ω @ 24 Vdc |
| 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 |