AC CURRENT SWITCH HIGH OUTPUT

CS-625 Series

The CS-625 current switch is a solid-state switch that monitors line current for electrical loads such as pumps, conveyors, machine tools or fans and closes the output contacts when the adjustable trip point is exceeded. It is typically used to monitor motor operation and can be used to determine on/off status, proof of operation, motor failure or belt loss.

The sensor requires no external power as it is totally powered by induction from the primary AC line being monitored. The trip setpoint is adjustable in three jumper-selectable ranges from a minimum value (1 Amp) up to 175 Amps by rotating the adjustment pot counter-clockwise. The output contacts can switch loads up to 1 Amp 240 Vac.

PRODUCT HIGHLIGHTS

* self-powered and no insertion loss
* true digital switching and no leakage
* Jumper-selectable ranges
* field adjustable setpoint
* solid-state reliability
* input / output isolation via current transformer

SPECIFICATIONS

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| SETPOINT RANGE  | 1 - 175 Amps adjustable |
| MAXIMUM INPUT CURRENT  | 175 Amps continuous |
| SENSING RANGES  | **Low** (1-6 Amps) no-jumper, **Mid** (6-40 Amps), **High** (6-175 Amps |
| SENSOR POWER  | Self-powered |
| OUTPUT TYPE  | Solid-state |
| OUTPUT SWITCH ACTION  | Normally open |
| OUTPUT SWITCH RATINGS | 240 Vac, 1 Amp maximum |
| FREQUENCY | 50/60 Hz |
| RESPONSE TIME | <200 mS typical |
| INSULATION CLASS | 600 Vac, insulated conductors |
| OPERATING TEMPERATURE | -15 to 40°C (5 to 104°F) |
| OPERATING HUMIDITY | 5 to 90 %RH, non-condensing |
| TERMINAL BLOCK | 14 to 22 AWG |
| DIMENSIONS | 49mm H x 87mm W x 25mm D (1.95” x 3.45” x 1”) |
| SENSOR APERTURE | 20mm (0.8”) |
| ENCLOSURE MATERIAL | ABS, UL94-V0 |
| MOUNTING HOLES | 2 x 5 mm holes spaces 76mm on base (2 x 0.19” holes spaced 3” on base) |
| AGENCY APPROVALS | cULus listed |