



Sensata Technologies

7235 & 7236 SERIES



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| 7235 & 7236 SERIES

OVERLOAD SENSING CONTROLS, 7 1/2 - 400AMPS

Introduction

Klixon 7235 and 7236 overload sensing controls are designed for the remote sensing of overloads in aircraft electrical systems or other applicable remote systems. They are for the protection of 28 VDC circuits or for 120 VAC single-phase or three-phase circuits operating at 60 to 1000 Hz. For three-phase AC circuit protection, a 28 VDC control circuit is required. One three-phase relay or three single-phase relays with their coils wired in series may be used in the control circuit. With either arrangement, all three phases will trip open simultaneously when an overload exists in any one phase. Klixon overload sensing controls consist of a bi-metal thermal actuating disc in series with the load terminals and an auxiliary single-phase, double-throw switch fitted to the main base forming a compact vibration-proof construction. The aircraft relay is wired in series with the sensing control through the S2 terminal of the auxiliary switch. When the control senses an overload, the Klixon disc operates the auxiliary switch, breaking circuit S1-S2 and making circuit S1-S3. This opens the relay, thus opening the load circuit.



Features

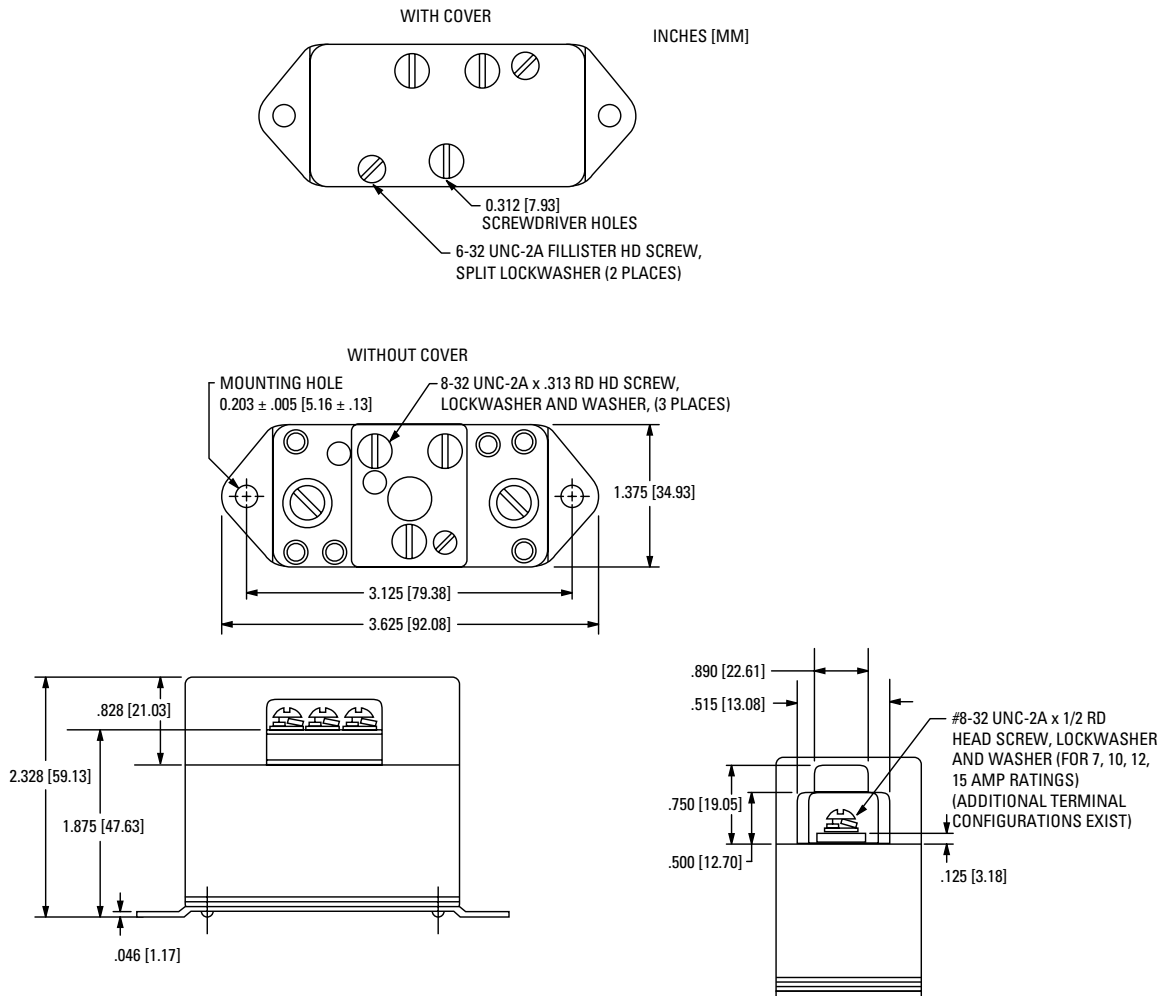
- Current rating 7.4-400 amps
- High reliability: does not switch overload current
- Adaptable for AC, DC, single-phase or three-phase applications
- Stops nuisance trips: thermal element unaffected by transient current surges
- Can be mounted in a remote location
- Uses minimum space: small circuit breaker for size of electrical load
- Only faulted line circuits opened: coordination ratings insures that branch of circuit breakers trip first under fault conditions
- Typical use: remote sensing systems

SPECIFICATIONS

Vibration	1.52mm (0.06") total excursion, 10-55 cps
Mechanical Schock	25G
Acceleration	10G
Explosion Proof	3 cycles at 100 amps
Resistance	Corrosion: 15 hours (QQ-M-151A) Sand and dust: 4 hours
Short Circuit Rupture	Relay capacity: 5 cycles, 20 VDC, 40,000 ft. alt.
Amp Rating	7-50 amps: 2,000 amp adjusted circuit Over 50 amps: 4,000 amp adjusted circuit

	7235-1	7235-2	7236-1	7236-2
Rating (in amps)	7-125	7-125	150-400	150-400
(S1-S³) Resistance R¹	0.75 ohm	None	0.75 ofm	None
Continuous Current Capacity (S1-S³)	3 amps	10 amps	3amps	10amps
(S1-S³) Contact Rating	10 amps	10 amps	10 amps	10 amps

DIMENSIONS



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