Sentry

STYLE

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Maximum output current

- Sensor (+5VDC) = 250mA
- References Alarm active = 250mA (ground polarity output)

Electrical protection

- Internal thermal fuse (2500mA on pin 1 of black 12-pin connector)
- CAN bus protected for heavy duty trucks (24V)
- Transient voltage protected to SAE J1113 specification for heavy duty trucks (24V)
- Load dump voltage protected to SAE J1113 specification for heavy duty trucks (24V)
- Electrical performance Immunity to Radiated Electromagnetic Fields– Bulk Current Injection (BCI) method, Class C device SAE J1113-4
- Reverse voltage protection on power leads (pins 1 and 12 of black 12-pin connector), Class C device ISO 16750-2
- Jump start on power leads, Class C device ISO 16750-2
- Immunity to conducted transients on power leads, Class C device (24V) SAE J1113-11
- Immunity to Electrostatic Discharge – powered and unpowered modes SAE J1113-13
- Immunity to radiated electromagnetic fields SAE J1113-21
- Conducted emission on power leads (level 3 limits) SAE J1113-41
- Radiated emissions, absorber-lined shielded enclosure (level 2 limits) SAE J1113-41
- Reset behavior on voltage drop 24V, Class C device ISO 16750-2

Environmental performance

- Exposure to fungus MIL-STD-810F (method 508.5) SAE J1455 (sec 4.6)

- Thermal shock SAE J1455 (sec 4.1.3.2)
- Exposure to humidity MIL-STD-810F (method 507.4)
- Thermal shock due to splash Class 1 (STD-0001)
- Steam cleaning SAE J1455 (sec 4.4)
- Exposure to salt spray atmosphere/fog SAE J1455 (sec 4.3)
- Exposure to splash due to chemicals and oils SAE J1455 (sec 4.4)
- Exposure to outdoor UV ISO 4892-2 (method A)
- Mechanical performance Resonance dwell SAE J1455 (sec 4.9.4.1)
- Random vibration SAE J1455 (sec 4.9.4.2)
- Mechanical shock SAE J1455 (sec 4.10.3.4)