

11067 SERIES SOLID STATE RELAYS



30A - #11067P01E30
50A - #11067P01E50

Our Solid State Relays (SSR) are remotely controllable power contactors and circuit breakers with over-current and arc-fault protection. All electronics are conformally coated and housed in a corrosion-free aluminum enclosure with four sturdy fastening points to allow for installation in severe vibration environments.

Controlled by a simple ground / open input discrete, our 28VDC SSRs are capable of switching up to 50A continuously across the full operating temperature range. All discrete and power lines are protected from EMI, lightning and power-line variations. Because of the device's solid-state design, which uses low on-resistance MOSFET technology, contact wear is eliminated. In addition, switching speed performance is significantly faster compared to electro-mechanically equivalent switches and circuit breakers.

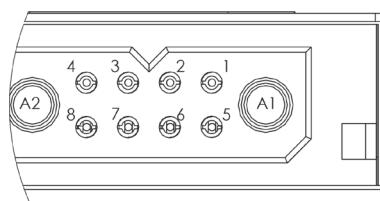
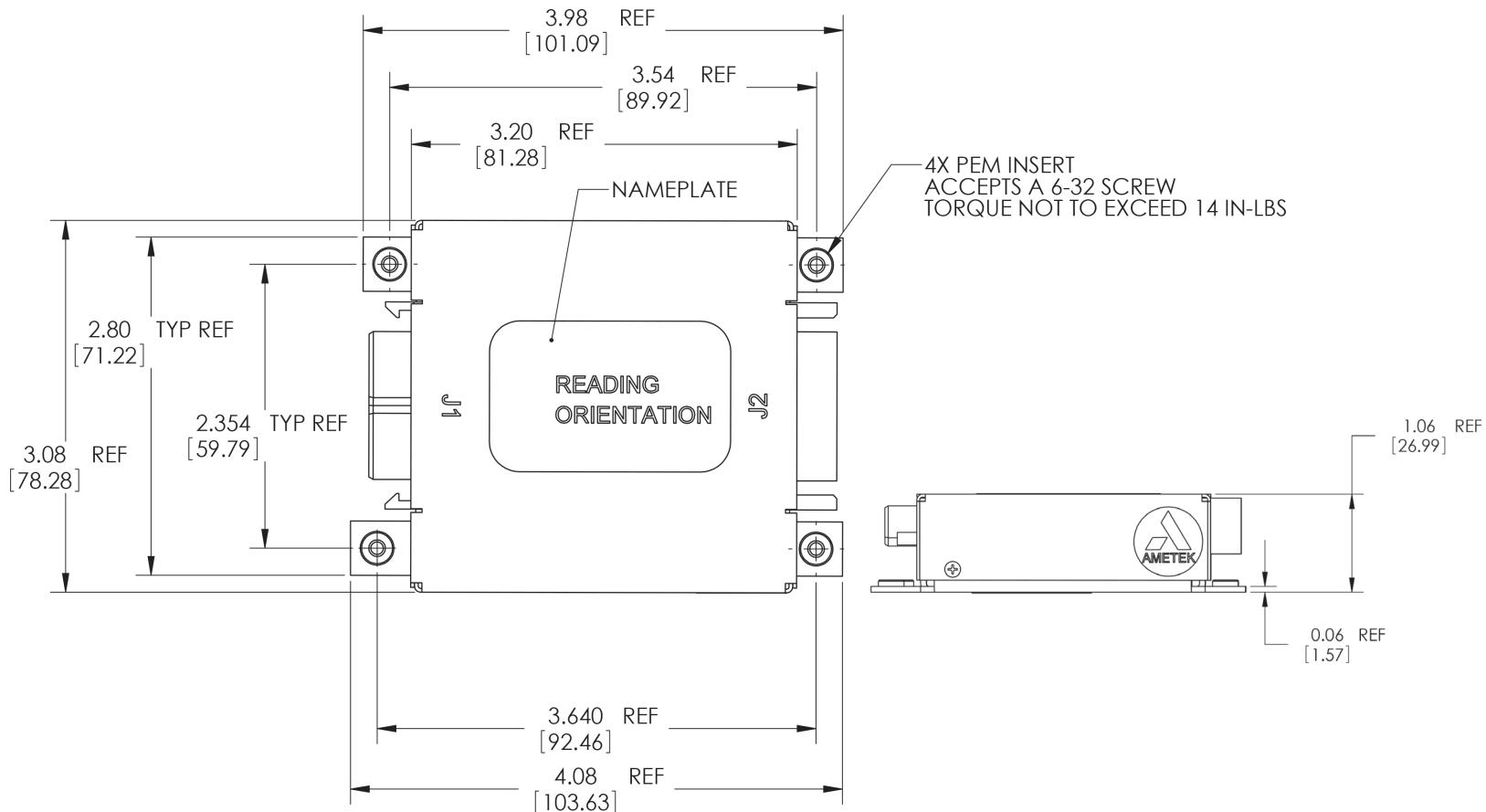
FEATURES & BENEFITS:

- User adjustable trip curve and trip-free reset
- No heatsink required at ambients <71°C
- Discrete trip status output
- No bias supply required
- Low off state leakage
- Adjustable trip settings for over-current and surge events
- Patented fail open technology
- Low voltage drop: efficiency > 99.6%
- Damage-free interrupting capacity > 750A
- Voltage, current and trip status over SPI bus
- Backup input pin for housekeeping power
- DO-160G Section 22: Level 4 lighting transient protected
- Solid-state MOSFET technology eliminates contact wear problems
- Available as COTS or customized to your exact requirements

Each SSR is capable of reporting status over an integrated 3-wire SPI serial communication interface. This enables the SSR to report the voltage, current and trip status.



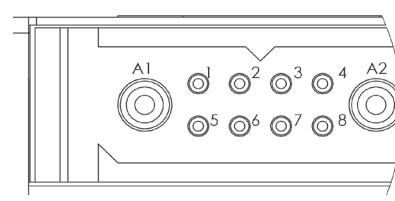
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Mates to:
PLB10W2M0000

J1 Connector

PIN	FUNCTION
A1	28V Output
A2	28V Output
1	Chip Select -IV
2	SDO
3	SDI
4	S Clock
5	Triput
6	GND
7	Chip Select SLW Surge Set
8	28V Output



Mates to:
PLB10W2F0000

J2 Connector

PIN	FUNCTION
A1	28V BUS
A2	28V BUS
1	Surge Set
2	ON/OFF
3	28V Hold Up
4	Lightning Protection Status
5	Overcurrent Set
6	GND
7	Not Used
8	28V BUS