

# DOT-Lok MPE

## APPLICATIONS

- *Forklifts*
- *Ground Support Equipment*

## ELECTRICAL

For 12 V Automotive Systems with Negative Ground

|                                 |                        |
|---------------------------------|------------------------|
| Nominal Input Voltage           | 12 VDC                 |
| Input Voltage Range             | 8 - 20 VDC             |
| FNR Output Drive (Sinking)      | 3 A                    |
| Ok to Shift Light               | 3 A                    |
| Output Voltage                  | Same as Input Voltage  |
| Current Draw (Nominal)          | 17.0 mA                |
| Off key Draw (Powered from IGN) | 0 mA                   |
| Reliability                     | 489,000 MTBF (mil 217) |

## ENVIRONMENTAL

|                       |                   |
|-----------------------|-------------------|
| Operating Temperature | -40 °C to +85 °C  |
|                       | -40 °F to +185 °F |
| Storage Temperature   | -40 °C to +85°C   |
|                       | -40 °F to +185 °F |
| Relative Humidity     | 0 - 100%          |
| Mechanical Shock      | 20 G's            |

## MECHANICAL

|             |   |
|-------------|---|
| Weight      | 6.5 oz                                      |
| Dimensions  | 5.36" x 2.625" x 1.25"                      |
| Connections | 3, 4, 6-Way AMP/Molex Soft Shell Connectors |
| Enclosure   | ABS Plastic (Black) UL94V0 Rating           |
| Insulation  | Epoxy (Black) UL94V0 Rating                 |
| PCB         | Fiber Glass Laminate - FR4, UL94V0 Rating   |

## SAFETY

The Econ Interlock MP is built to relevant UL and SAE Standards.  
Designed and built to meet GM and Ford specifications (GM's SVMQP Electrical Guidelines, MIL-85B, MS-8900, etc.)