PRODUCT FAMILY

# ORDNANCE SAFE AND ARM DEVICE

The Ordnance Safe and Arm Device (OSA) or Interrupter Device is an electro-mechanical safe & arm device used to initiate an explosive train once it is in the ARM state. The interrupter device also provides intrinsic safety against inadvertent initiation of the explosive train when it is in the SAFE state. The Interrupter utilizes a booster to provide the necessary output to initiate various ordnance devices in a continuing explosive train, such as an Flexible Confined Detonating Cord (FCDC).

## APPLICABLE SPECIFICATIONS

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| All-Fire Angle: | All-Fire angle for .999 reliability and 95% confidence = 81.2° from full safe |
| No-Fire Angle: | No-Fire angle for .999 reliability and 95% confidence = 43.9° from full arm |
| Input Stimulus: | FCDC, DBA or similar |
| Operating Temperature: | -54°C to +74°C |
| Arming/Safing Voltage: | 22 to 35 VDC |
| Output: | Qualified to MIL-DTL-2365 |
| Insulation Resistance: | 22 to 35 VDC |
| Electrostatic Discharge Immunity: | Booster is immune to ESD pulses applied to the interrupter |
| Pre-Function Leak Specification: | 5 x 10-5 standard cc/second of Helium |
| Applicable Specifications: | Meets requirements of MIL-STD-1576 and MIL-STD-454 |
| | Meets requirements of MIL-STD-464 (EMI) |

ENVELOPE & DIMENSIONS