ISO Relay Engineering Data

Features: DC Relay Testing Specification Standard: ISO 7588

Dustproof

Capable of handling up to 40 Amps Resistive Loads

Versatile mounting bracket or plug-in

Several enclosure options (Weatherproof - Dustproof - Shrouded)

MADE IN USA

Mechanical Data: Termination .250 Quick connect terminals

Approximate Dimensions 1.12" x 1.10" x .960"

Approximate Weight 1.2 Oz.

Terminal Retention - Withstand a longitudinal force of 65 Newtons (14.6 lb - F)

Withstand a latitudinal force of 35 Newtons (8 lb - F)

Terminal Plating: Per Mil Spec MIL T 10727B

Contact Data: 1 Form A (SPST) 4 Terminal, 1 Form C (SPDT) 5 Terminal,

1 Form A (SPST) Dual Output

Electrical Life - 100,000 cycles (6 cycles per minute for rated life at rated load)

Mechanical Life - 1,000,000 cycles

Maximum switching power: 50 - 500 Watts (DC Voltage Dependent)

Coil Data: 12 VDC, 24 VDC and 36 VDC

Resistance: See coil data table Nominal Power: 1.7 Watts

Dielectric Strength: Leakage current not to exceed .5 milliamps when

400 volts (60 hz. AC) is applied.

Coil Data @ 23 Degrees C - Coil Temperature			
Rated Coil Voltage VDC	Coil Resistance +/- 10 % (ohms)	Must Operate Voltage - Seal	Must Release Voltage - Sea
12	85	9	1
24	340	18	2.2
36	550	27	3.5

Optional Coil Suppression Available: Resistor or Diode in Parallel with Coil

Operate Data: Operate an Release Time - 10 Milliseconds typical

Initial Voltage Drop: N.O. Contact - 250 millivolts @ 30 Amps

N.C. Contact - 200 millivolts @ 20 Amps

Environmental Data: Operating Temperature: -40 Degrees C to + 85 Degrees C

Drop Test: Meets specification after 3.5 ft. drop onto concrete Mechanical Shock Test: Each Pulse - Magnitude 25 +/- 2 G's

Wave Shape - Half Sine Wave Duration: 13 +/- 1 millisecond

Vibration: Frequency (Hz) 5.5 Level 1.3 +/- .1 millimeter

The entire frequency range of 5 hz to 55 hz and return to 5 hz transversed in 1 minute

Flammability: UL94-VO external