



### FEATURES

- Hermetically sealed
- High speed switching
- Low power consumption
- High reliability

### 1. COIL SPECIFICATION ( "D" With Diode)

Part Number	Rated Voltage (VDC)	Must Operate (VDC)	Drop-Out (VDC)	Coil Resistance ( $\Omega$ ) $\pm 10\%$	Max. Coil Voltage (VDC)	Circuit Schematic
504599 MES1A05(D)	5	3.8	0.5	500	10	
504602 MES1A12(D)	12	9.0	1.0	1000	20	
504610 MES1A24(D)	24	18.0	2.0	2000	32	

### 2. CONTACT RATING (@ 20°C)

- 2.1 Max. Switching Power 10W
- 2.2 Max. Switching Voltage 200V DC
- 2.3 Max. Switch Current 0.5A
- 2.4 Max. Carrying Current 1A
- 2.5 Contact Resistance(Initial) 150m ohms

### 5. TIMING

- 5.1 Operate Time 0.5mSec Max.
- 5.2 Release Time 0.5mSec Max.

### 3. DIELECTRIC WITHSTANDING VOLTS

- 3.1 Between Open Contact 250V DC Min.
- 3.2 Between Contact to Coil 1500V DC Min.

### 6. LIFE

- 6.1 Mechanical  $10^8$  Operation Min.
- 6.2 Electrical  $10^7$  Operate(10vdc,4mA)

### 4. INSULATION RESISTANCE

- 4.1 Between Open Contact 10G ohms Min.
- 4.2 Between Contact to Coil 10G ohms Min.

### 7. OTHERS

- 7.1 Ambient Temperature -40 to +80°C
- 7.2 Vibration Resistance 20g
- 7.3 Shock Resistance 50g

### 8. DIMENSIONS: mm (Inch)

