

# G64L - LATCHING

# 50 kV

Make Only Load Switching  
RoHS Compliant



| FEATURES |  |
|----------|--|
| •        | Latching coils for low power consumption and to ensure relay will remain in last position, even when no voltage is applied to the coil |
| •        | Compact design saves precious space while isolating 50kV   |
| •        | Flying leads provide versatile high voltage connections  |
| •        | Excellent for capacitive discharge and safety dump switch applications   |
| •        | Effectively bounce free operation  |

| PRODUCT SPECIFICATIONS   |              |            |
|--|--------------|------------|
| Contact & Relay Ratings  | Units        | G64LC      |
| Contact Form   |              | C          |
| Contact Arrangement  |              | SPDT       |
| Voltage, Test Max., Contacts & to Base (15 $\mu$ A Leakage Max., dc or 60Hz) | kV Peak      | 55         |
| Voltage, Operating Max., Contacts & to Base (15 $\mu$ A Leakage Max.)        |              |            |
| dc or 60 Hz  | kV Peak      | 50         |
| 2.5 MHz  | kV Peak      | -          |
| 16 MHz   | kV Peak      | -          |
| 32 MHz   | kV Peak      | -          |
| Current, Continuous Carry Max  |              |            |
| dc or 60 Hz  | Amps         | 10         |
| 2.5 MHz  | Amps         | -          |
| 16 MHz   | Amps         | -          |
| 32 MHz   | Amps         | -          |
| Coil Hi-Pot (V RMS, 60 Hz)   | V            | 500        |
| Capacitance  |              |            |
| Across Open Contacts   | pF           | -          |
| Contacts to Ground   | pF           | -          |
| Resistance, Contact Max @ 1A, 28 Vdc   | ohms         | 1.0        |
| Operate Time   | ms           | 15         |
| Reset Time   | ms           | 15         |
| Life, Mechanical   | cycles       | 1 million  |
| Weight, Nominal  | g (oz)       | 336 (12)   |
| Vibration, Operating, Sine (55-500 Hz Peak)                                  | G's          | 10         |
| Shock, Operating, 1/2 Sine 11ms (Peak)                                       | G's          | 10         |
| Temperature Ambient Operating  | $^{\circ}$ C | -55 to +85 |

| COIL RATINGS                     |        |
|----------------------------------|--------|
| Nominal, Volts dc                | 26.5   |
| Pick-up, Volts dc, Max.          | 18     |
| Reset, Volts dc                  | 1 - 10 |
| Coil Resistance (Ohms $\pm$ 10%) | -      |

Ratings listed are for 25 $^{\circ}$ C, sea level conditions.  
Coils are polarity sensitive.  
Observe polarity marked on coil terminals.

For more information, refer to  
[Relay User Instructions](#)

|   |          |          |          |          |          |
|---|----------|----------|----------|----------|----------|
| <b>G64</b>  | <b>L</b> | <b>C</b> | <b>8</b> | <b>4</b> | <b>1</b> |
| Latching Designator   |          |          |          |          |          |
| Contact Form<br>C = SPDT  |          |          |          |          |          |
| Coil Voltage<br>8 = 26.5 Vdc, Turret Terminal   |          |          |          |          |          |
| High Voltage Connections<br>4 = Flying Leads, 12"<br>7 = Flying Leads, 72"<br>8 = Flying Leads, 36" |          |          |          |          |          |
| Mounting<br>1 = Threaded  |          |          |          |          |          |

\*Order the relay with the part number as shown.  
The latching "L" designator and the coil voltage will not appear in the P/N on the relay but will be indicated on the label that is on the base of the relay. Observe coil polarity.