FEATUERES

- Durable tungsten contacts with internal shield improve load switching capability
- Vacuum dielectric provides make and break load switching capability
- Mounting options in any axis
- Solder or convenient threaded HV connections

PRODUCT SPECIFICATIONS

Contact & Relay Ratings | Units | G18
---|---|---
Contact Form | C |
Contact Arrangement | SPDT |
Contact Material (moveable/stationary) | molybdenum/tungsten |
Dielectric | Vacuum |
Voltage, Test Max., Contacts & to Base (15 μA Leakage Max.) dc or 60Hz | kV Peak | 17 |
Voltage, Operating Max., Contacts & to Base (15 μA Leakage Max.) dc or 60 Hz | kV Peak | 15 |
Current, Load Switching | see table below |
Current, Continuous Carry Max dc or 60 Hz | Amps | 30 |
Coil Hi-Pot (V RMS, 60 Hz) | V | 500 |
Capacitance | |
Across Open Contacts | pF | .05 |
Contacts to Ground | pF | 1 |
Resistance, Contact Max @ 1A, 28 Vdc | ohms | 0.025 |
Operate Time | ms | 15 |
Release Time | ms | 9 |
Life, Mechanical | cycles | 1 million |
Weight, Nominal | g (oz) | 84 (3) |
Vibration, Operating, Sine (55-500 Hz Peak) | G's | 10 |
Shock, Operating, 1/2 Sine11ms (Peak) | G's | 50 |
Temperature Ambient Operating | °C | -55 to +125 |

MAKE & BREAK RESISTIVE LOAD RATINGS **

<table>
<thead>
<tr>
<th>DC Voltage</th>
<th>Current (A)</th>
<th>Load Life (cycles)</th>
</tr>
</thead>
<tbody>
<tr>
<td>330V</td>
<td>17</td>
<td>10,000</td>
</tr>
<tr>
<td>330V</td>
<td>5</td>
<td>100,000</td>
</tr>
<tr>
<td>5kV</td>
<td>2</td>
<td>100,000</td>
</tr>
<tr>
<td>10kV</td>
<td>1</td>
<td>50,000</td>
</tr>
</tbody>
</table>

** Ratings shown are for the normally closed contact. Consult factory for normally open contact ratings.

COIL RATINGS

<table>
<thead>
<tr>
<th>Nominal, Volts dc</th>
<th>12</th>
<th>26.5</th>
<th>115</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pick-up, Volts dc, Max.</td>
<td>8</td>
<td>16</td>
<td>80</td>
</tr>
<tr>
<td>Drop-Out, Volts dc</td>
<td>.5 - 5</td>
<td>1 - 10</td>
<td>5 - 50</td>
</tr>
<tr>
<td>Coil Resistance (Ohms ±10%)</td>
<td>48</td>
<td>180</td>
<td>2900</td>
</tr>
</tbody>
</table>

PART NUMBER SYSTEM

G18 | S | P
---|---|---
High Voltage/Power Terminal Connections | S = Solder Pot W = Screw |
Mounting | P = Through Panel F = Flange |
Coil Voltage * | Blank = 26.5 Vdc -12Vdc = 12Vdc -115Vdc = 115Vdc |

* Order the relay with the coil voltage in the part number as shown above. The coil voltage will appear on the coil plate near the coil terminals rather than in the P/N on the relay.