

# G71L - LATCHING

# 70 kV

Make Only Load Switching  
RoHS Compliant



FEATURES
<ul style="list-style-type: none"> <li>Latching coils for low power consumption and to ensure relay will remain in last position, even when no voltage is applied to the coil</li> </ul>
<b>G71LA</b>
<ul style="list-style-type: none"> <li>Sealed 70 kV isolation in about 6.3 cubic inch (100 cubic cm) package - your will be system the smallest in the industry!</li> <li>SF-6 gas filled for capacitive discharge with no x-ray emissions</li> <li>Pre-tinned, optional length, high voltage leads making installation easy fast and easy</li> <li>Great for charging &amp; discharging capacitors with no bounce under load</li> <li>GIGAVAC exclusive replaceable coils</li> </ul>
<b>G71LC</b>
<ul style="list-style-type: none"> <li>Same great features as the G71A and G71B</li> <li>Double Throw (SPDT) for polarity reversal and multiple power source switching</li> </ul>

PRODUCT SPECIFICATIONS			
Contact & Relay Ratings	Units	G71LA	G71LC
Contact Form		A	C
Contact Arrangement		SPST	SPDT
Voltage, Test Max., Contacts & to Base (15 µA Leakage Max, dc or 60Hz)	kV Peak	75	75
Voltage, Operating Max., Contacts & to Base (15 µA Leakage Max.)			
dc	kV Peak	70	70
60 Hz RMS	kV Peak	30	30
2.5 MHz	kV Peak	-	-
16 MHz	kV Peak	-	-
32 MHz	kV Peak	-	-
Current, Continuous Carry Max			
dc or 60 Hz	Amps	10	10
2.5 MHz	Amps	-	-
16 MHz	Amps	-	-
32 MHz	Amps	-	-
Coil Hi-Pot (V RMS, 60 Hz)	V	500	500
Capacitance			
Across Open Contacts	pF	-	-
Contacts to Ground	pF	-	-
Resistance, Contact Max @ 1A, 28 Vdc	ohms	2.0*	2.0*
Operate Time	ms	20	20
Reset Time	ms	15	15
Life, Mechanical	cycles	.5 million	.5 million
Weight, Nominal	g (oz)	336 (12)	336 (12)
Vibration, Operating, Sine (55-500 Hz Peak)	G's	10	10
Shock, Operating, 1/2 Sine 11ms (Peak)	G's	20	20
Temperature Ambient Operating	°C	-50 to +85	-50 to +85

COIL RATINGS	
Nominal, Volts dc	26.5
Pick-up, Volts dc, Max.	22
Reset, Volts dc	1 - 10
Coil Resistance (Ohms ±10%)	-

Ratings listed are for 25°C, sea level conditions.  
Coils are polarity sensitive.  
Observe polarity marked on coil terminals.

For more information, refer to

### Relay User Instructions

**G71 L A 8 4 1**

**Latching Designator**

**Contact Form**  
A = SPST  
C = SPDT

**Coil Voltage \*\***  
8 = 26.5 Vdc, Turret Terminal

**High Voltage Connections**  
4 = Flying Leads, 12"  
7 = Flying Leads, 72"  
8 = Flying Leads, 36"

**Mounting**  
1 = Threaded

\*Contact resistance for gas-filled measured at 28 Vdc, 1 Amp

\*\*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.