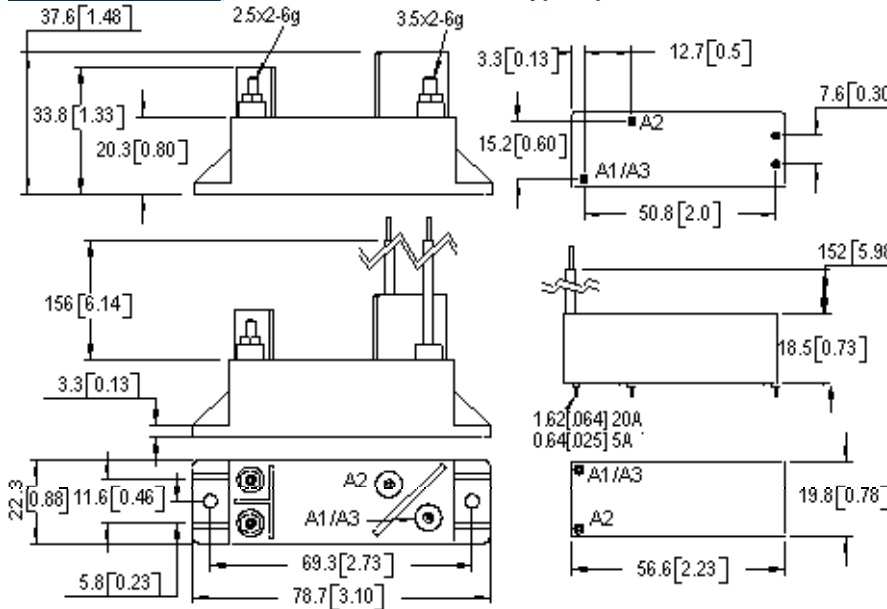


G81A - G81B

10 kV

Make & Break Load Switching

RoHS Compliant, date code 0701 and later. Type 7 panel mount versions date code 0827 and later.



- | FEATURES | |
|----------|---|
| • | Smallest profile available for a high power 10kV relay |
| • | Four standard mechanical configurations offer extreme mounting and connection versatility |
| • | Standard options provide for increased current handling capability |
| • | Durable tungsten contacts for hot load switching* |
| • | Vacuum dielectric for effective arc quenching when opening under load* |

*Consult factory for load switching applications.

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



PRODUCT SPECIFICATIONS			
Contact & Relay Ratings	Units	G81A	G81B
Contact Form		A	B
Contact Arrangement		SPST-NO	SPST-NC
Voltage, Test Max., Contacts (15 µA Leakage Max., dc or 60Hz)	kV Peak	11	11
Voltage, Operating Max., Contacts & to Base (15 µA Leakage Max.)			
dc or 60 Hz	kV Peak	10	10
2.5 MHz	kV Peak	-	-
16 MHz	kV Peak	-	-
32 MHz	kV Peak	-	-
Current, Continuous Carry Max			
dc or 60 Hz	Amps	5, 20 or 30*	5, 20 or 30*
2.5 MHz	Amps	-	-
16 MHz	Amps	-	-
32 MHz	Amps	-	-
Coil Hi-Pot (V RMS, 60 Hz)	V	-	-
Capacitance			
Across Open Contacts	pF	-	-
Contacts to Ground	pF	-	-
Resistance, Contact Max @ 1A, 28Vdc	ohms	0.03	0.03
Operate Time	ms	10	10
Release Time	ms	10	10
Life, Mechanical	cycles	2 million	2 million
Weight, Nominal	g (oz)	56 (2)	56 (2)
Vibration, Operating, Sine (55-500 Hz Peak)	G's	10	10
Shock, Operating, 1/2 Sine 11ms (Peak)	G's	30	30
Temperature Ambient Operating	°C	-55 to +85	-55 to +85

COIL RATINGS			
Nominal, Volts dc	12	26.5	115
Pick-up, Volts dc, Max.	8	16	80
Drop-Out, Volts dc	.5 - 5	1 - 10	5 - 50
Coil Resistance (Ohms ±10%)	70	290	4700

Ratings listed are for 25°C, sea level conditions

G81 **A** **3** **3** **5**

- | |
|--|
| <p>Contact Form
 A = SPST-NO
 B = SPST-NC</p> |
| <p>Coil Voltage
 2 = 12 Vdc, PC Pins
 3 = 26.5 Vdc, PC Pins
 5 = 115 Vdc, PC Pins
 A = 12 Vdc, Panel Mount
 B = 26.5 Vdc, Panel Mount
 C = 115 Vdc, Panel Mount</p> |

- | |
|---|
| <p>High Voltage Connections
 A** = PCB Pins - 20 Amp
 3 = PCB Pins - 5 Amp
 4 = Flying Leads
 5 = Stud Terminals</p> |
|---|

- | |
|---|
| <p>Mounting
 5 = PC Board
 7 = Panel Mount</p> |
|---|

*PC pin versions carry 5 or 20 amps, see part number above. Flying lead and panel versions carry 30 amps.

**Power terminal on 20 amp version is a larger diameter than on the 5 amp version. 01/11/11