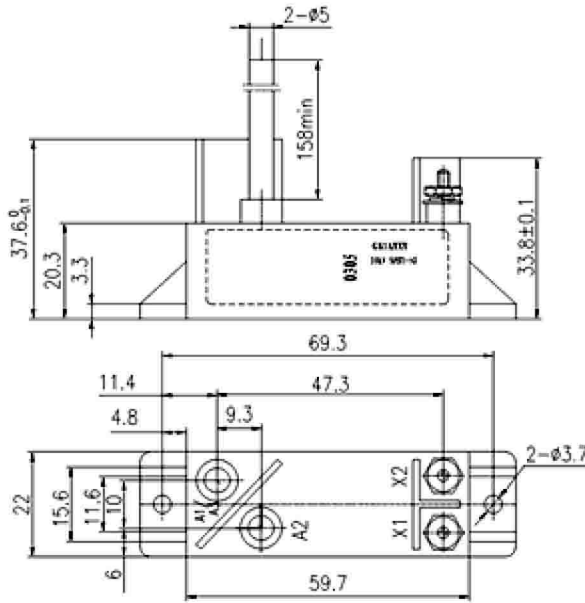


### High Voltage Relays: GL81A-GL81B



#### Features

- Best 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

Product Specification				GL81A	GL81B
Contact & Relay Ratings	Units				
Contact Form			A	B	
Contact Arrangement			SPDT -NO	SPDT-NC	
Test Voltage,(kV, Peak), Test Max., Contacts & to Base (15 µA Leakage Max., dc or 60Hz)	KV Peak		11	11	
Rated Operating Voltage,(kV,Peak), Contacts & to Base (15 µA Leakage Max.)	dc or 60Hz	KV Peak	10	10	
	2.5MHz	Kv Peak	-	-	
	16MHz	KV Peak	-	-	
	32MHz	KV Peak	-	-	
Continuous Current, Carry Max	dc or 60Hz	Amps	5,20or30*	5,20or30*	
	2.5MHz	Amps	-	-	
	16MHz	Amps	-	-	
	32MHz	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, Max	ms		10	10	
Release Time, Max	ms		10	10	
Mechanical Life	Cycles		2 million	2 million	
Weight	g(02)		56(2)	56(2)	
Vibration, Sine (10-2000 Hz Peak)	G's		10	10	
Shock, 1/2 Sine11ms (Peak)	G's		30	30	
Operating Temperature Ambient	°C		-50 ~ +85	-50 ~ +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 (Ω±10%)	70	290	4700

\* Ratings listed are for 25°C, sea level conditions

GL81	A	3	3	4
Contact Arrangement	A = SPST-NO B = SPST-NC			
Coil Voltage	2 = 12Vdc Inserting 3 = 26.5Vdc PCB Pins 5 = 115Vdc Inserting A = 12Vdc Panel Mount B = 26.5Vdc Panel Mount C = 115Vdc Panel Mount			
High Voltage Connections	3 = Solder Connection			
Mounting	5 = PCB Borad 7 = Panel Mount			