GIGAVAC®
ADVANCED SWITCHING SOLUTIONS

8kV DPDT HV Relay
Double Pole Double Throw

G12

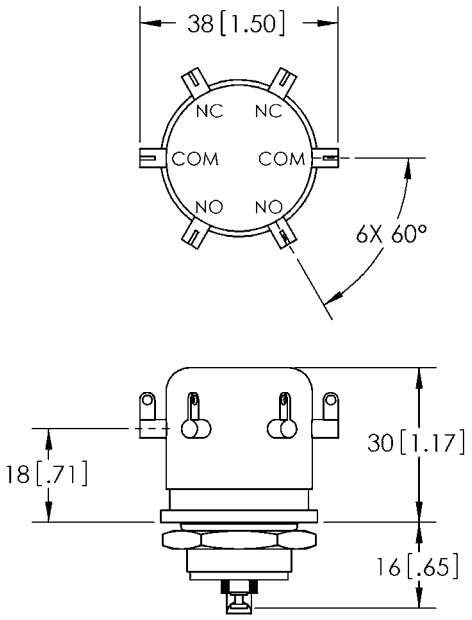
FEATURES

- **Durable tungsten contacts improve load switching capability**
- **Mounting options in any axis**
- **User interchangeable coils provide for driver versatility**

PRODUCT SPECIFICATIONS

Contact & Relay Ratings	Units	G12
Contact Form		2C
Contact Arrangement		DPDT
Contact Material (moveable/stationary)		molybdenum /tungsten
Dielectric		Vacuum
Voltage, Test Max., Contacts & to Base (15 µA Leakage Max.) dc or 60Hz	kV Peak	10
Voltage, Operating Max., Contacts & to Base (15 µA Leakage Max.)		
dc or 60 Hz	kV Peak	8
2.5 MHz	kV Peak	5
16 MHz	kV Peak	3
32 MHz	kV Peak	2
Current, Load Switching		Contact factory**
Current, Continuous Carry Max		
dc or 60 Hz	Amps	10
2.5 MHz	Amps	7
16 MHz	Amps	3
32 MHz	Amps	2
Coil Hi-Pot (V RMS, 60 Hz)	V	500
Capacitance		
Across Open Contacts	pF	0.8
Contacts to Ground	pF	1.5
Resistance, Contact Max @ 1A, 28 Vdc	ohms	0.020
Operate Time	ms	15
Release Time	ms	9
Life, Mechanical	cycles	1 million
Weight, Nominal	g (oz)	71 (2.5)
Vibration, Operating, Sine (55-500 Hz Peak)	G's	10
Shock, Operating, 1/2 Sine11ms (Peak)	G's	30
Temperature Ambient Operating	°C	-55 to +125

** Consult factory for load switching applications.



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%)	60	250	3500

PART NUMBER SYSTEM

G12	S	P	
High Voltage/ Power Terminal Connections	**S** = Solder Tab		
Mounting		**P** = Through Panel	
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.

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