

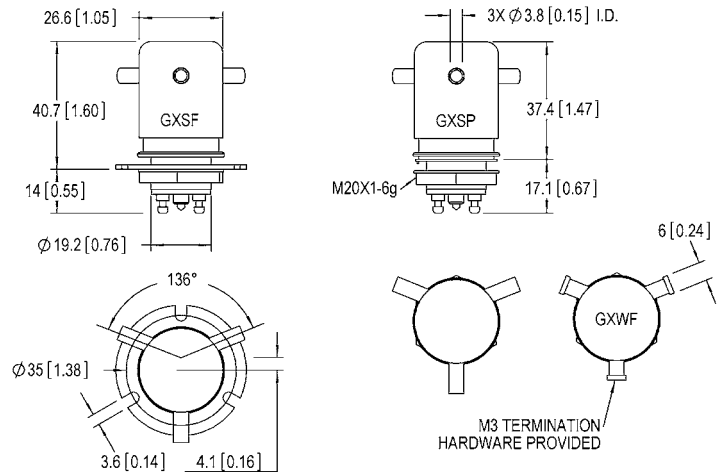
FEATURES

- > 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



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%)	48	180	2900

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

MAKE & BREAK RESISTIVE LOAD RATINGS* *

DC Voltage	Current (A)	Load Life (cycles)
330V	17	10,000
330V	5	100,000
5kV	2	100,000
10kV	1	50,000

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

* 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.