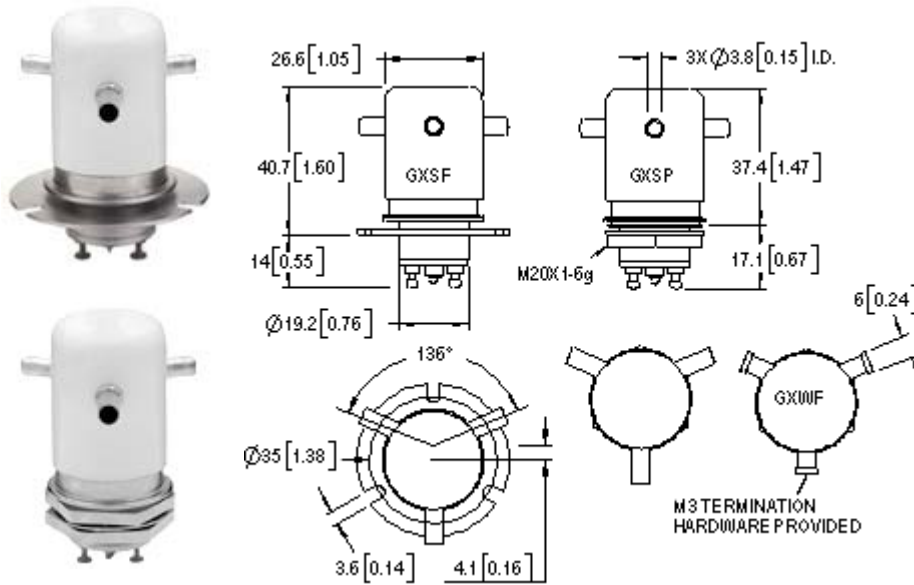


G18

15 kV

Make & Break Load Switching (see ratings below)
 RoHS Compliant, date code 0701 and later



FEATURES	
◆	Durable tungsten contacts for hot load switching.
◆	Internal dielectric shield provides superior hot switch ratings.
◆	Vacuum dielectric for effective arc quenching when opening under load.
◆	Two mounting styles available, flange or through panel with jam nut.
◆	Solder or threaded high voltage connections help make installation easy.
◆	User interchangeable coils provide for driver versatility.
◆	Meets or exceeds standards set in MIL-R-83725.

PRODUCT SPECIFICATIONS		
Contact & Relay Ratings	Units	G18
Contact Form		C
Contact Arrangement		SPDT
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
2.5 MHz	kV Peak	-
16 MHz	kV Peak	-
32 MHz	kV Peak	-
Current, Continuous Carry Max		
dc or 60 Hz	Amps	30
2.5 MHz	Amps	-
16 MHz	Amps	-
32 MHz	Amps	-
Coil Hi-Pot (V RMS, 60 Hz)	V	500
Capacitance		
Across Open Contacts	pF	0.5
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 Sine 11ms (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

Ratings listed are for 25°C, sea level conditions

For more information, refer to

[Relay User Instructions](#)

G18 S F - 12Vdc

**High Voltage/
Power Terminal
Connections**
 S = Solder Pot
 W = Screw

Mounting
 F = Flange
 P = Through Panel

Coil Voltage*
 Blank = 26.5 Vdc
 12Vdc = 12 Vdc
 115Vdc = 115 Vdc

*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.

SWITCHING UNDER LOAD

500V and below: Relay may be on either side of the load and the case may be floating or grounded.
See [High Voltage Relay Grounding Requirements](#) for details.

Above 500V: The relay must be on the ground side of the load and the case MUST be grounded.
See [High Voltage Relay Grounding Requirements](#) for details.

MAKE & BREAK RATING (Resistive, Normally Closed contacts Only)		
DC Voltage	Current (Amps)	Load Life (Cycles)
330	17	10,000
330	5	100,000
5kV	2	100,000
10kV	1	50,000

Contact [GIGAVAC](#) for Normally open Contact ratings.

01/11/11



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