GIGAVAC®
ADVANCED SWITCHING SOLUTIONS

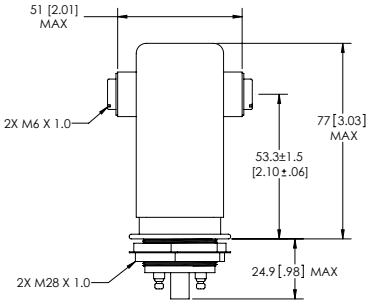
28kV SPST-NO HV Relay
Single Pole Single Throw - Normally Open

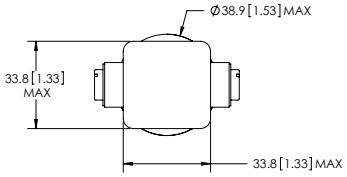
G20

FEATURES

- **Low stable contact resistance for high carry current and low voltage drop**
- **Low loss in RF circuits**
- **Mounting options in any axis**







PRODUCT SPECIFICATIONS

Contact & Relay Ratings	Units	G20
Contact Form		X
Contact Arrangement		SPST-NO
Contact Material (moveable/stationary)		molybdenum /copper
Dielectric		Vacuum
Voltage, Test Max., Contacts & to Base (15 µA Leakage Max.) dc or 60Hz	kV Peak	30
Voltage, Operating Max., Contacts & to Base (15 µA Leakage Max.)		
dc or 60 Hz	kV Peak	28
2.5 MHz	kV Peak	22
16 MHz	kV Peak	12
32 MHz	kV Peak	10
Current, Load Switching		Contact factory**
Current, Continuous Carry Max		
dc or 60 Hz	Amps	110
2.5 MHz	Amps	60
16 MHz	Amps	40
32 MHz	Amps	30
Coil Hi-Pot (V RMS, 60 Hz)	V	500
Capacitance		
Across Open Contacts	pF	2.5
Contacts to Ground	pF	2.5
Resistance, Contact Max @ 1A, 28 Vdc	ohms	0.005
Operate Time	ms	18
Release Time	ms	10
Life, Mechanical	cycles	2 million
Weight, Nominal	g (oz)	342 (12)
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%)	24	120	2000

PART NUMBER SYSTEM

G20	W	P	
High Voltage/ Power Terminal Connections	**W** = Screw		
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.

GIGAVAC® - 6382 Rose Lane - Carpinteria, CA 93013 - ph +1-805-684-8401 - fax +1-805-684-8402
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Mailing Address: Sensata Technologies, Inc., 529 Pleasant Street, Attleboro, MA 02703, USA

CONTACT US

Regional head offices:

United States of America
Sensata Technologies
Attleboro, MA
Phone: 508-236-3800
E-mail: support@sensata.com

Netherlands
Sensata Technologies Holland B.V.
Hengelo
Phone: +31 74 357 8000
E-mail: support@sensata.com

China
Sensata Technologies China Co., Ltd.
Shanghai
Phone: +8621 2306 1500
E-mail: support@sensata.com

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