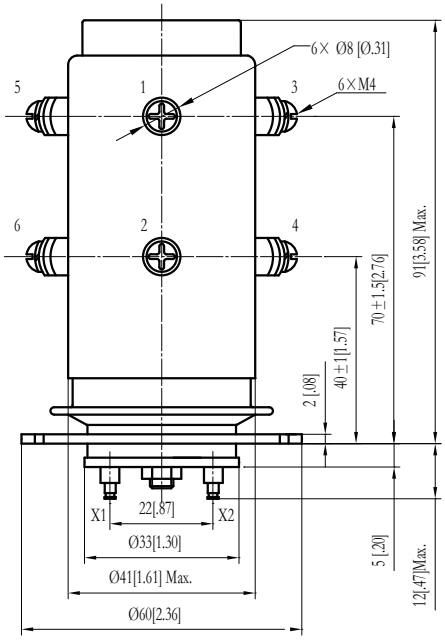
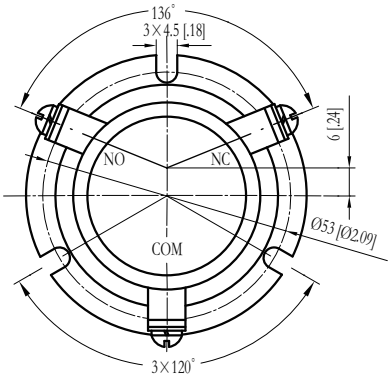
HVP
High Voltage Products. High Voltage Experts

Vacuum HV Relays

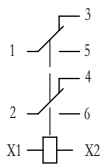
V23

- Durable tungsten contacts for better load switching capability
- Ideal choice for high power RF or DC applications
- Solder or threaded mounting options





Wiring Diagram



Coil Terminals X1&X2
Not Polarity Sensitive

Vertical installation

※ : 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 pin on the relay.
※※: Consult factory for load switching applications.

PRODUCT SPECIFICATIONS

Item		Unit	Value
Contact Form		—	2C
Contact Arrangement		—	DPDT
Contact Material (moveable/stationary)		—	molybdenum /tungsten
Dielectric			Vacuum
Maximum Peak Test Voltage, Contacts and to Base (15μA Leak Current Max.) dc or 60Hz		kV	23
Maximum Peak Operating Voltage, Contacts and to Base (15μA Leak Current Max.)	dc or 60Hz	kV	20
	2.5MHz	kV	12
	16MHz / 32MHz	kV	8 / 5
Current,Load Switching ※※			Contact factory
Current, Continuous Carry Max	dc or 60Hz	A	75
	2.5MHz	A	35
	16MHz / 32MHz	A	22 / 15
Coil Hi-Pot (V RMS, 60 Hz)		V	500
Capacitance	Across Open Contacts	pF	3
	Contacts to Ground	pF	3.5
Operate Time		ms	30
Release Time		ms	10
Resistance, Contact Max @ 1A, 28 Vdc		Ω	0.01
Operating Temperature Ambient		°C	-55 ~ +125
Shock, Operating, 1/2 Sine11ms (Peak)		G's	50
Vibration, Operating, Sine (55-500 Hz Peak)		G's	10
Life, Mechanical		Cycles	1 million
Weight, Nominal		g(oz)	360(12.7)

COIL RATINGS

Nominal, Volts dc	12	26.5
Pick-up, Volts dc, Max.	8	16
Drop-Out, Volts dc	.5~5	1~10
Coil Resistance (Ω ±10%)	60	240
Ratings Listed are for 25°C,Sea Level Conditions		

PART NUMBER SYSTEM

V23 — W F — 12 Vdc

- Series: High Voltage/Power
- Terminal Connections
- Contact Leads Out: W=Screw
- Mounting: F=Flange
- Coil Voltage ※: Blank=26.5Vdc, —12Vdc=12Vdc