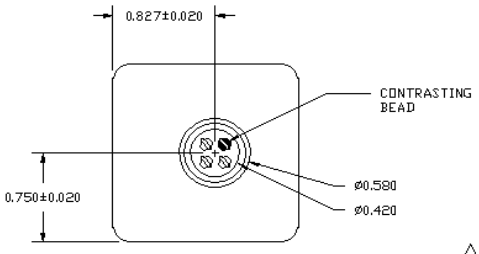
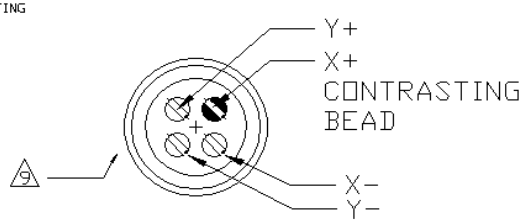
Microsemi High Voltage Relay Data Sheet

PRODUCT SPECIFICATIONS		
Contact & Relay Ratings	**Units**	
Contact Form		A
Contact Arrangement		SPST-NO
Voltage Max test- Contacts to Base less than 10 µA Leakage (dc or 60 Hz)	kV Peak	7
Voltage Max test- Contacts to Base less than 10 µA Leakage (dc or 60 Hz)	kV Peak	6
Current, Continuous Carry Max dc or 60 Hz	Amps	45
Coil Hi-Pot (V rms 60Hz)	V	500
Capacitance- Across Open Contacts	pF	< 1.5
Capacitance-Contacts to Ground	pF	< 10
Resistance, Contact Max @ 1A, 28Vdc	ohms	0.003
Operate Time	ms	13
Release Time	ms	10
Life, Mechanical	cycles	200K
Weight, Nominal	g (oz)	120
Vibration, Operating, Sine (55-2000 Hz RMS)	G's	20
Shock, Operating, 1/2 Sine 350g at 1/2ms (Peak)	G's	350
Shock survivability	G's	900
Sheet temperature max 200 °C	°C	200
Temperature Ambient Operating	°C	150

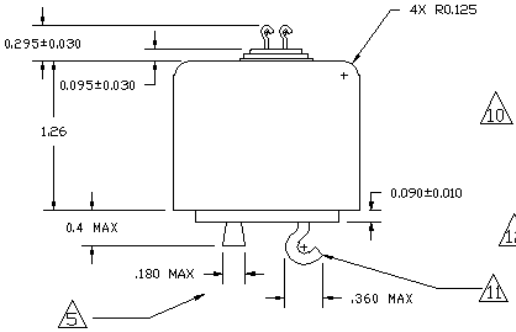
COIL RATINGS	
Nominal, Volts dc	**26.5**
Latch/reset Volts dc, Max.	18
Drop-Out, Volts dc	18
Coil Resistance Ohms ± 10%)	150

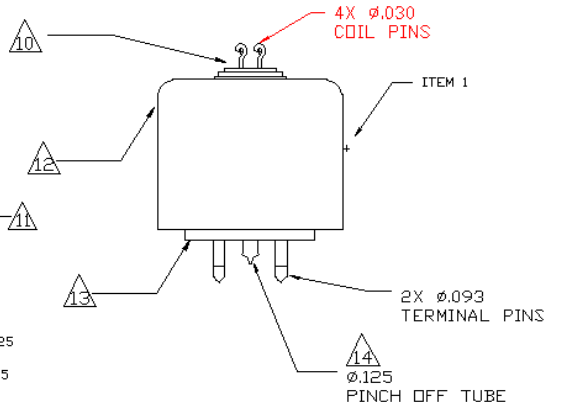
Ratings listed are for 25°C, sea level conditions

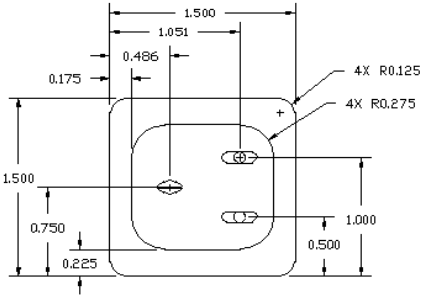




COIL PIN ASSIGNMENT







FEATURES
Patented getter design activation restors contact cavity to original conditions
Designed to operate to case tempearture upto 200 °C
Latching coils for lower power consumption
High carry current 50 Adc
Lowest conatct <3 mΩ of any high voltage relay class
Design can accommodate virtually any mounting style
Meets and exceeds MIL-R-83725 Standard