

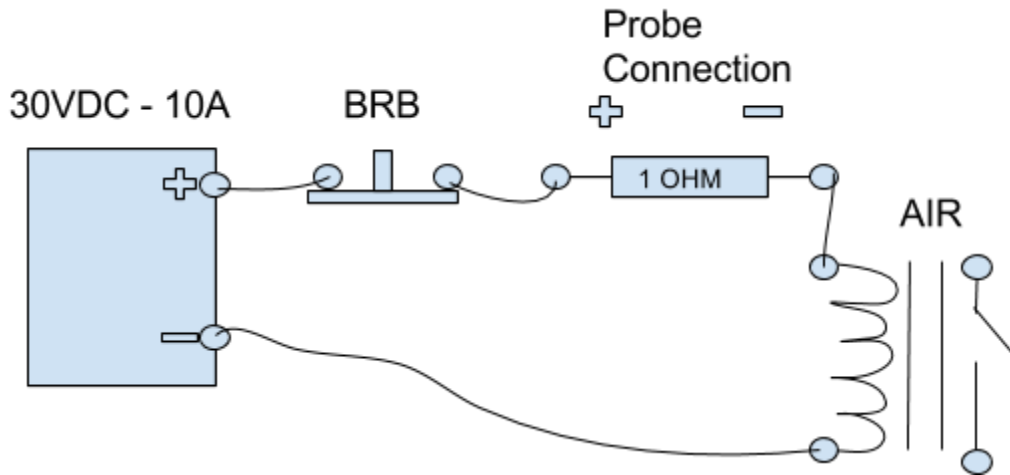
Accumulator Isolation Relay TestDOC

02/11/16

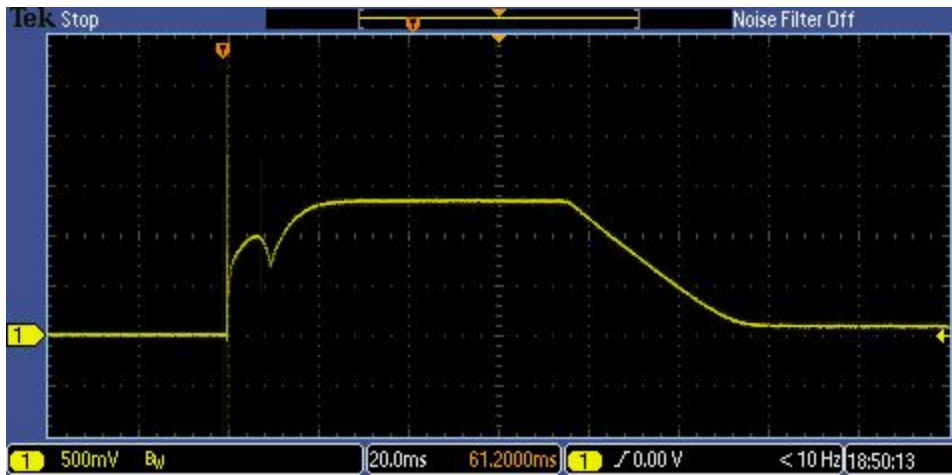
GIGAVAC

GX14CAB->24VDC expected 1.6A to close

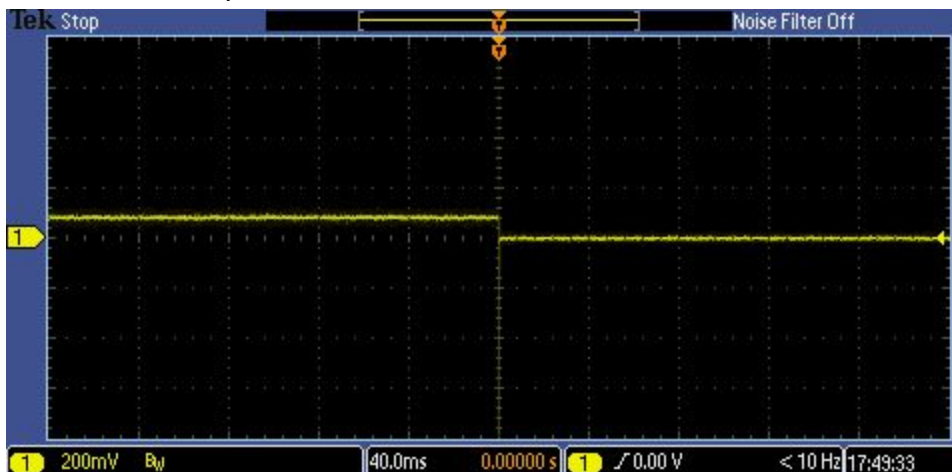
Test SetUp



BRB Open to Closed




BRB Closed to Open



PRODUCT SPECIFICATIONS

Specifications	Units	Data
Contact Arrangement		
Main	Form X	SPST-NO
Auxiliary (2A, 24VDC) ¹	Form A or B	SPST-NO or SPST-NC
Mechanical Life	Cycles	1,000,000
Contact Resistance²		
Max	mohms	0.4
Typical	mohms	0.15 to 0.3
Operate Time³		
Max	ms	20
Typical	ms	13
Release Time, Max	ms	12
Insulation Resistance⁴	Mohms	100
Dielectric At Sea Level (Leakage < 1mA)	VRMS	2,200
Shock, 1/2 Sine, 11ms	G peak	20
Vibration, Sinusoidal (500-2000 Hz Peak)	G	15
Ambient Temp Range		
Operating ⁵	°C	-55 to +85
Storage	°C	-70 to +150
Weight, Typical	Kg (Lb)	0.5 (1.1)
Environmental Seal	Exceeds IP67 & IP69K	
Salt Fog	MIL-STD-810	

COIL RATINGS at 25°C

Coil P/N Designation	B	C	F
Coil Voltage, Nominal	12 VDC	24 VDC	48 VDC
Coil Voltage, Max	16 V	32 V	64 V
Pick-Up Voltage, Max^{6, 8}	8 V	16 V	40 V
Drop-Out Voltage	0.5 to 4 V	2 to 7.5 V	4 to 15 V
Pick-Up Current, Max (75 ms)^{6, 7}	3.9 A	1.6 A	0.97 A
Coil Current⁷	0.23 A	0.097 A	0.042 A
Coil Power⁷	2.8 W	2.3 W	2.0 W
Internal Coil Suppression			
Coil Back EMF	55 V	55 V	125 V
Transients, Max (13 ms)	±50 V	±50 V	±75 V
Reverse Polarity	16 V	32 V	64 V