

Kilovac K47A Make & Break Load Switching



Features:

- Widely used in antenna coupler applications
- Short actuator, low profile, 8 kV relay
- Vacuum dielectric for power switching low current loads
- Normally open contacts
- Meets requirements of MIL-R-83725

Kilovac K47B Make & Break Load Switching



Features:

- Normally closed version of K47
- Vacuum dielectric for power switching low current loads
- 920 Ohm coil for low power consumption
- Meets requirements of MIL-R-83725
- QPL version available, M83725/18-003

PRODUCT SPECIFICATIONS

Part Number	Units	K47A	K47B
Contact Arrangement		SPST-NO	SPST-NC
Contact Form		A	B
Test Voltage (dc or 60Hz)	kV Peak	9	9
Rated Operating Voltage	kV Peak		
dc or 60 Hz		8	8
2.5 MHz		7.5	7.5
16 MHz		7	7
32 MHz		5	5
Continuous Carry Current , Maximum	Amps		
dc or 60 Hz		12	12
2.5 MHz		10	10
16 MHz		5	5
32 MHz		3	3
Coil Hi-Pot (V RMS, 60 Hz)		500	500
Contact Capacitance	pF		
Between Open Contacts		1.2	1.2
Open Contacts to Ground		1.2	1.2
Contact Resistance, Maximum	ohms	0.03	0.03
Operate Time, Maximum	ms	10	10
Release Time, Maximum	ms	10	10
Shock, 11 ms 1/2 Sine	G's Peak	30	30
Vibration, 10 G's Peak	Hz	55-1000	55-1000
Operating Ambient Temperature Range	°C	-55 to +125	-55 to +125
Mechanical Life (Operations x 10 ⁶)	cycles	2	2
Weight, Nominal	oz.	0.9	0.9

COIL DATA

Nominal, Volts dc	12	26.5
Pickup, Volts dc, Maximum	8	16
Drop-Out, Volts dc	.5 - 5	1 - 10
Coil Resistance (Ohms ±10%)	230	920

Ratings listed are for 25°C, sea level conditions

PART NUMBER SELECTION

Sample Part No. **K47** **A** **3** **3** **4**

Contact Form _____
A = SPST-NO
B = SPST-NC

Coil Voltage _____
2 = 12 Vdc, Bus Wire
3 = 26.5 Vdc, Bus Wire

High Voltage Connections _____
3 = Solder Connection

Mounting _____
2 = Flanged
4 = Standard

See page 58 for mounting methods