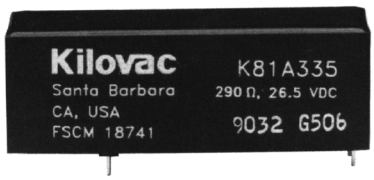
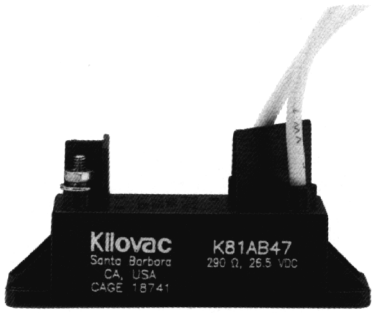
Kilovac K81A, K81B *Make & Break Load Switching*







Features:

- 10 kV PC board-mount relay
- Vacuum dielectric for power switching low current loads
- Flying leads or PCB mount for high voltage connections
- Meets requirements of MIL-R-83725
- Completely sealed; ideal for test equipment
- Panel mount available for ease of mounting

PRODUCT SPECIFICATIONS

Part Number	Units	K81A	K81B
Contact Arrangement		SPST-NO	SPST-NC
Contact Form		A	B
Test Voltage (dc or 60Hz)	kV Peak	11	11
Rated Operating Voltage	kV Peak		
dc or 60 Hz		10	10
2.5 MHz		-	-
16 MHz		-	-
32 MHz		-	-
Continuous Carry Current , Maximum	Amps		
dc or 60 Hz		5 (10)*	5 (10)*
2.5 MHz		-	-
16 MHz		-	-
32 MHz		-	-
Coil Hi-Pot (V RMS, 60 Hz)		NA	NA
Contact Capacitance	pF		
Between Open Contacts		-	-
Open Contacts to Ground		-	-
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	Peak G's	30	30
Vibration, 10 G's Peak	Hz	55-500	55-500
Operating Ambient Temperature Range	°C	-55 to +85	-55 to +85
Mechanical Life (Operations x 10^6)	Cycles	2	2
Weight, Nominal	oz.	2	2

* Power terminal on 10 amp version is a larger diameter than on the 5 amp version

COIL DATA

Nominal, Volts dc	12	26.5	115
Pickup, Volts dc, Maximum	8	16	80
Drop-Out, Volts dc	.5 - 5	1 - 10	5 - 50
Coil Resistance (Ohms ±10%)	70	290	4700

Ratings listed are for 25°C, sea level conditions

PART NUMBER SELECTION

Sample Part No. **K81** | A | 3 | 3 | 5 |

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

Coil Voltage
- 2 = 12 Vdc, PC Board
- 3 = 26.5 Vdc, PC Board
- 5 = 115 Vdc, PC Board
- A = 12 Vdc, Stud Terminals, Panel Mount
- B = 26.5 Vdc, Stud Terminals, Panel Mount
- C = 115 Vdc, Stud Terminals, Panel Mount

High Voltage Connections
- A* = PCB Solder Connection - 10 Amp
- 3 = PCB Solder Connection - 5 Amp
- 4 = Flying Leads
- 5 = Stud Terminals

Mounting
- 5 = PC Board
- 7 = Panel Mount