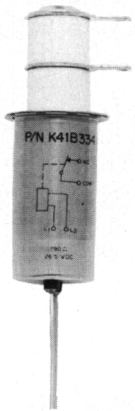


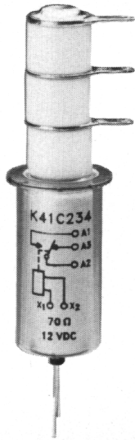
**Kilovac K41A, K41B** Make & Break Load Switching



**Features:**

- High current carry rating
- Vacuum dielectric for power switching low current loads
- Glazed ceramics for low current leakage
- Compact, space-saving design
- Meets requirements of MIL-R-83725
- QPL versions available, M83725/21 & M83725/22

**Kilovac K41C** Make & Break Load Switching



**Features:**

- Single pole, double throw version
- Vacuum dielectric for power switching low current loads
- RF ratings to 32 MHz
- Long life: 2 million cycles
- Meets requirements of MIL-R-83725
- QPL version available, M83725/23

PRODUCT SPECIFICATIONS				
Part Number	Unit	K41A	K41B	K41C
Contact Arrangement .....		SPST-NO	SPST-NC	SPDT
Contact Form .....		A	B	C
Test Voltage (dc or 60Hz) .....	kV Peak	6	6	6
Rated Operating Voltage .....	kV Peak			
dc or 60 Hz .....		5	5	5
2.5 MHz .....		4.5	4.5	4.5
16 MHz .....		3.5	3.5	3.5
32 MHz .....		2.8	2.8	2.8
Continuous Carry Current , Maximum .....	Amps			
dc or 60 Hz .....		30	30	30
2.5 MHz .....		24	24	24
16 MHz .....		16	16	16
32 MHz .....		12	12	12
Coil Hi-Pot (V RMS, 60 Hz) .....		500	500	500
Contact Capacitance .....	pF			
Between Open Contacts .....		1.2	1.2	1.2
Open Contacts to Ground .....		1.2	1.2	1.2
Contact Resistance, Maximum .....	Ohms	0.02	0.02	0.02
Operate Time, Maximum .....	ms	10	10	10
Release Time, Maximum .....	ms	10	10	10
Shock, 11 ms 1/2 Sine .....	G's Peak	50	50	50
Vibration, 10 G's Peak .....	Hz	55-2000	55-2000	55-2000
Operating Ambient Temperature Range .....	°C	-55 to +125	-55 to +125	-55 to +125
Mechanical Life (Operations x 10 <sup>6</sup> ) .....	cycles	2	2	2
Weight, Nominal .....	oz	1	1	1

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.    **K41**    **A**    **3**    **3**    **4**

Contact Form \_\_\_\_\_  
 A = SPST-NO  
 B = SPST-NC  
 C = SPDT

Coil Voltage \_\_\_\_\_  
 2 = 12 Vdc, Bus Wire  
 3 = 26.5 Vdc, Bus Wire  
 5 = 115 Vdc, Bus Wire  
 7 = 12 Vdc, Turret Terminal\*  
 8 = 26.5 Vdc, Turret Terminal\*  
 9 = 115 Vdc, Turret Terminal\*

High Voltage Connections \_\_\_\_\_  
 3 = Solder Connection

Mounting\* \_\_\_\_\_  
 2 = Flanged  
 4 = Standard

\* See page 58 for turret terminal dimensions and mounting methods.