

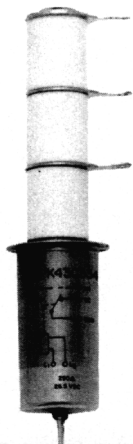
Kilovac K43A, K43B Make & Break Load Switching



Features:

- 10 kV, 25 Amps continuous current relay
- RF ratings to 32 MHz
- Vacuum dielectric for power switching low current loads
- 2 million cycle mechanical life
- QPL version available, M83725/17 & M83725/10

Kilovac K43C Make & Break Load Switching



Features:

- SPDT version of K43
- Vacuum dielectric for power switching low current loads
- Flange mounting available
- Carries 10 amps at 32 MHz
- Meets requirements of MIL-R-83725
- QPL version available, M83725/16

PRODUCT SPECIFICATIONS

Part Number	Units	K43A	K43B	K43C
Contact Arrangement		SPST-NO	SPST-NC	SPDT
Contact Form		A	B	C
Test Voltage (dc or 60Hz)	kV Peak	11	11	11
Rated Operating Voltage	kV Peak			
dc or 60 Hz		10	10	10
2.5 MHz		7	7	7
16 MHz		6	6	6
32 MHz		4	4	4
Continuous Carry Current , Maximum	Amps			
dc or 60 Hz		25	25	25
2.5 MHz		20	20	20
16 MHz		13	13	13
32 MHz		10	10	10
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	Peak G's	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 ⁶)	Cycles	2	2	2
Weight, Nomnal	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.	K43	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