

**Kilovac HC-2** No Load Switching  
**HC-4** Make & Break Load Switching



**Features:**

**HC-2**

- Vacuum dielectric and copper contacts for high current carry rating of 25 Amps
- Not designed for power switching
- Stable, low contact resistance
- Meets requirements of MIL-R-83725

**HC-4**

- Tungsten contacts for long life in power switching applications
- Vacuum dielectric for arc suppression when making or breaking a load
- Widely used in defibrillator applications
- Meets requirements of MIL-R-83725

**Kilovac HC-6** Make Only



**Features:**

- Tungsten contacts for switching high in-rush loads
- SF-6 gas-filled for capacitive discharge applications
- Ideal for ESD testing applications

PRODUCT SPECIFICATIONS				
Part Number	Units	HC-2	HC-4	HC-6
Contact Arrangement .....		SPDT	SPDT	SPDT
Contact Form .....		C	C	C
Test Voltage (dc or 60Hz) .....	kV Peak	10	10	10
Rated Operating Voltage				
dc or 60 Hz .....		8	8	8
2.5 MHz .....		-	-	-
16 MHz .....		-	-	-
32 MHz .....		-	-	-
Continuous Carry Current , Maximum	A RMS			
dc or 60 Hz .....		25	15	8
2.5 MHz .....		-	-	-
16 MHz .....		-	-	-
32 MHz .....		-	-	-
Coil Hi-Pot (V RMS, 60 Hz) .....		500	500	500
Contact Capacitance	pF			
Between Open Contacts .....		-	-	-
Open Contacts to Ground .....		-	-	-
Contact Resistance, Maximum .....	ohms	0.01	0.02	0.5*
Operate Time, Maximum .....	ms	6	6	6
Release Time, Maximum .....	ms	6	6	6
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 <sup>6</sup> ) .....	Cycles	2	2	1
Weight, Nominal .....	oz.	1.4	1.4	1.4

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%)	80	335	6000

Ratings listed are for 25°C, sea level conditions

**PART NUMBER SELECTION**

Sample Part No. **HC-**

Model

Coil Voltage

Blank = 26.5 Vdc  
 /12Vdc = 12 Vdc  
 /115Vdc = 115 Vdc

\* Contact resistance for gas-filled relays is measured at 28 Vdc, 1 amp