

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 ⁶)	Cycles	2	2	1
Weight, Nominal	oz.	1.4	1.4	1.4

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

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