

Vacuum Relays

VHC1, VHC3

Reference Model: (Kilovac/Jennings) : HC-1/RJ1A-26S; HC-3/RJ1H-26S



VHC	1	-12Vdc
Model	1	
	3	
Coil Voltage	12Vdc=12Vdc	
	26.5Vdc=26.5Vdc	
	115Vdc=115Vdc	

VHC1 No Load Switching

Low and stable contact resistance minimizes loss in RF circuits. 25V DC continuous high carry current in a small size.

VHC3 Make & Break Load Switching

Durable tungsten contacts for long life when power switching. Vacuum dielectric, ideal for effective arc quenching when opening under load.

PRODUCT SPECIFICATIONS				
Contact & Relay Ratings		Units	VHC1	VHC3
Contact Form			C	C
Contact Arrangement			SPDT	SPDT
Test Voltage(KV Peak), Test Max., Contacts & to Base(15μA Leakage Max., dc or 60Hz)		KV Peak	5	5
Rated Operating Voltage, (KV Peak), Contacts & to Base (15μA Leakage Max.)	dc or 60Hz	KV Peak	3.5	3.5
	2.5MHz	KV Peak	2.5	-
	16MHz	KV Peak	2	-
	32MHz	KV Peak	1.5	-
Continuous Current, Carry Max.	dc or 60Hz	Amps	25	18
	2.5MHz	Amps	14	-
	16MHz	Amps	9	-
	32MHz	Amps	7	-
Coil Hi-Pot(V RMS, 60Hz)		V	500	500
Capacitance	Across Open Contacts	pF	2	-
	Contacts to Ground	pF	2.5	-
Resistance, Contact Max@ 1A, 28Vdc		ohms	0.01	0.02
Operate Time, Max.		ms	6	6
Release Time, Max.		ms	6	6
Mechanical Life		Cycles	2 million	2 million
Weight		g (oz)	28 (1)	28 (1)
Vibration, sine(10-2000Hz Peak)		G's	10	10
Shock, 1/2 sine 11ms(Peak)		G's	50	50
Operating Temperature Ambient		°C	-55~+125	-55~+125

COIL RATINGS			
Nominal, Volts dc	12	26.5	115
Pick-up, Volts dc, Max	8	16	80
Drop-out, Volts dc	0.5-5	1-10	5-50
Coil Resistance (Ω±10%)	80	335	6000
*Ratings listed are for 25°C, sea level conditions			

