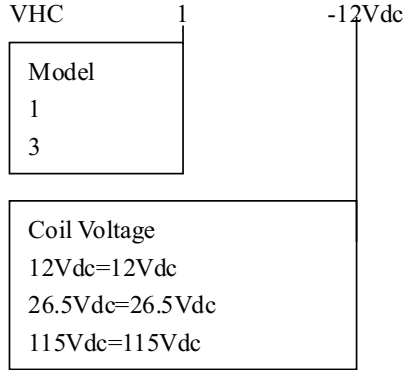


# Vacuum Relays

# VHC1, VHC3

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



### 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			

