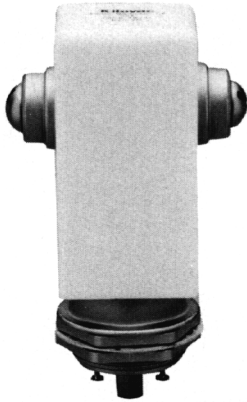


**Kilovac KC-22, KC-32** Make & Break Load Switching



**Features:**

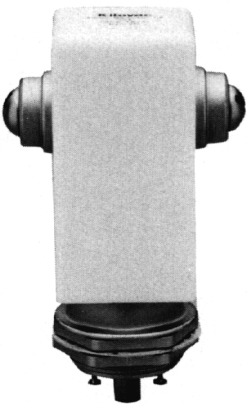
**KC-22**

- Tungsten contacts for power switching
- Vacuum dielectric for arc suppression when making or breaking a load
- No contact oxidation from arcing

**KC-32**

- Normally closed version of KC-22
- Vacuum dielectric for power switching low current loads

**Kilovac KC-28, KC-38** Make Only



**Features:**

**KC-28**

- SF-6 gas-filled for capacitive discharge and "make only" applications
- Capable of switching 2000 Amps peak capacitive discharge for 400 nanoseconds

**KC-38**

- Normally closed version of KC-28
- SF-6 gas-filled for capacitive discharge and "make only" applications

PRODUCT SPECIFICATIONS					
Part Number	Units	KC-22	KC-32	KC-28	KC-38
Contact Arrangement .....		SPST-NO	SPST-NC	SPST-NO	SPST-NC
Contact Form .....		X	Y	X	Y
Test Voltage (dc or 60Hz) .....	kV Peak	28	28	28	28
Rated Operating Voltage .....	kV Peak				
dc or 60 Hz .....		25	25	25	25
2.5 MHz .....		-	-	-	-
16 MHz .....		-	-	-	-
32 MHz .....		-	-	-	-
Continuous Carry Current , Maximum .....	Amps				
dc or 60 Hz .....		65	45	30	15
2.5 MHz .....		-	-	-	-
16 MHz .....		-	-	-	-
32 MHz .....		-	-	-	-
Coil Hi-Pot (V RMS, 60 Hz) .....		500	500	500	500
Contact Capacitance .....	pF				
Between Open Contacts .....		2.5	2.5	-	-
Open Contacts to Ground .....		2.5	2.5	-	-
Contact Resistance, Maximum .....	ohms	0.005	0.01	1.0*	1.0*
Operate Time, Maximum .....	ms	18	18	18	18
Release Time, Maximum .....	ms	10	20	10	20
Shock, 11 ms 1/2 Sine .....	Peak G's	30	30	30	30
Vibration, 10 G's Peak .....	Hz	55-500	55-500	55-500	55-500
Operating Ambient Temperature Range .....	°C	-55 to +125	-55 to +125	-55 to +125	-55 to +125
Mechanical Life (Operations x 10 <sup>6</sup> ) .....	Cycles	2	2	2	2
Weight, Nominal .....	oz.	12	12	12	12

\* Contact resistance for gas-filled relays 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%)	24	120	2000

Ratings listed are for 25°C, sea level

**PART NUMBER SELECTION**

Sample Part No. **KC-**

Model

- KC-22
- KC-32
- KC-28
- KC-38

Coil Voltage

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