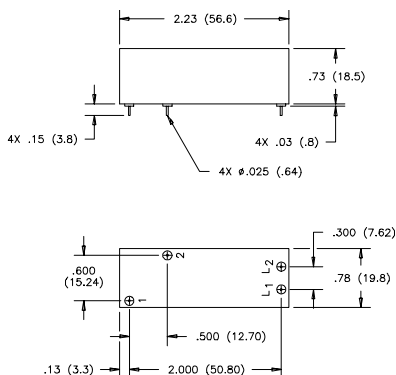


Kilovac PD5 Make & Break Load Switching

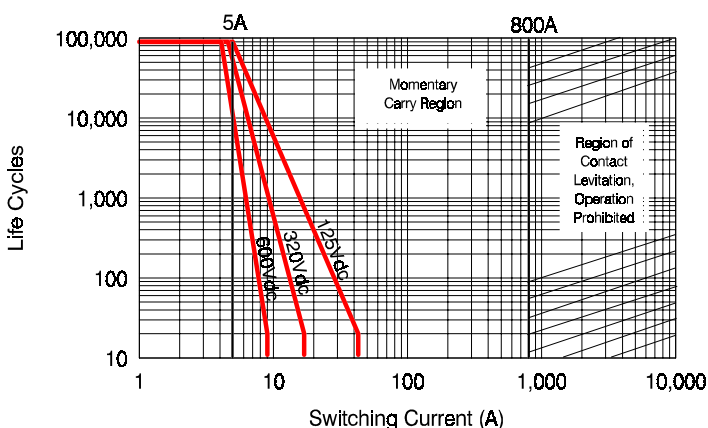


PCB Mount Version shown above is applicable to both PD5 and PD10.
Refer to PD10 for Panel Mount Dimensions.

Features:

- Vacuum dielectric for power switching
- Excellent for control applications
- PCB and panel mountings
- Rugged design for the most demanding applications, including seismic shock
- Small size and weight
- Low power consumption
- No heat sinks required
- Vacuum-sealed; can operate in explosive and harsh environments
- 2000V isolation across open contacts
- Meets requirements of SAE ARD 50031

CONTACT RATINGS*



The load terminals should always be connected as follows: Common Contact (A2) positive; Other Contact negative.

PRODUCT SPECIFICATIONS

Part Number	UNIT	PD5A	PD5B
Contact Arrangement		SPST-NO	SPST-NC
Contact Form		A**	B**
Rated Resistive Load @ 320 Vdc	A	5	5
Continuous Current Carry, Max. @ 85°C	A	15	15
Overload @ 320 Vdc (make/break)	A	20	20
Life, (Mechanical/Rated Load)	cycles	500k/50k	500k/50k
Contact Resistance, Max., end of life	ohms	0.010	0.010
Dielectric at Sea Level			
Power Terminals to Coil & all other points	Vrms	1,800	1,800
Shock, 11ms 1/2 Sine (peak)	G's peak	25	25
Vibration, Sinusoidal (55-2000 Hz, peak)	G's	5	5
Operating Ambient Temperature Range	°C	-40 to +85	-40 to +85
Operate Time, Max., including Bounce @ 25°C	ms	10	10
Release Time, Max., including Bounce @ 25°C	ms	10	10
Insulation Resistance @ 500 Vdc, Min.			
Initial/ End of Life	Mohm	100/50	100/50
Weight, Nominal	g (lb)	57 (.125)	57 (.125)

** Contact factory for availability of other contact forms

Nominal, Volts dc	12	24	125	Unit
Maximum Coil Voltage	14	28	130	Vdc
Pickup, Max. @ 85°C	8	16	80	
Hold, Min. @ 85°C	3.3	10	33	
Drop-Out, Min. @ -40°C	.5	1	5	
Coil Resistance (±10%)	70	290	4700	Ohms

Ratings listed are for 25°C, sea level conditions

PART NUMBER SELECTION

Sample Part No. PD5 **A** **2** **3** **5**

Contact Form
 A = SPST-NO
 B = SPST-NC
 C = SPDT (PCB ONLY)

Coil Voltage
 2 = 12 Vdc, PCB Version
 3 = 24 Vdc, PCB Version
 5 = 125 Vdc, PCB Version
 A = 12 Vdc, Panel Mount Version
 B = 24 Vdc, Panel Mount Version
 C = 125 Vdc, Panel Mount Version

Power Terminals
 3 = PCB Solder Connection
 5 = Stud Terminal, Panel Mount

Mounting
 5 = PCB Mount
 7 = Panel Mount