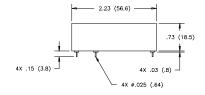
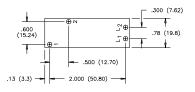


28-1800 Vdc

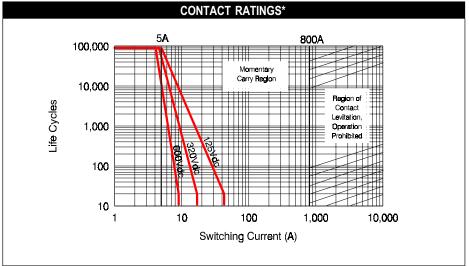
Kilovac PD5 Make & Break Load Switching







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



Based on extrapolated data. Since each application is unique, user is encouraged to verify rating in actual application. 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	Α	5	5			
Continuous Current Carry, Max. @ 85°C	A	15	15			
Overload @ 320 Vdc (make/break)	Α	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)			

 $^{^{\}star\star}$ Contact factory for availability of other contact forms

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

COIL DATA					
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

realings 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
Moulitula —

5 = PCB Mount

7 = Panel Mount