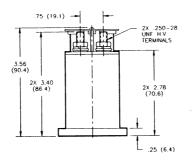
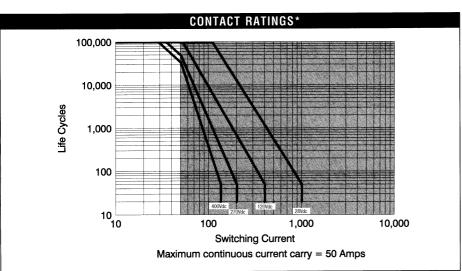
Aerospace

KILOVAC AP50X - 50 Amps





Note: Dimensions are expressed as inches (mm).

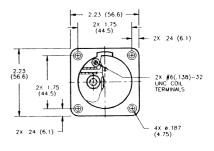


* Based on data extrapolated from qualification at 270 Vdc with resistive load. Since each application is unique, user is encouraged to verify rating

in actual application				
PRODUCT SPECIFICATIONS				
Part Number	UNIT	AP50X		
Contact Arrangement		SPST-NO		
Contact Form		X		
Rated Resistive Load @ 270 Vdc	A	50		
Continuous Current Carry, Max.		50		
Overload @ 270 Vdc		200		
Contact Resistance, Max.	mohm	4		
Dielectric at Sea Level				
Coil to Power Terminals	Vrms	1,800		
All Other Points		2,000		
Shock, 11ms 1/2 Sine (peak)	g	30		
Vibration, Sinusoidal (55-2000 Hz, peak)		20		
Operating Ambient Temperature Range	° C	-55 to +85		
Load Life, @ 270 Vdc, Min.	cycles	50,000		
Operate Time, Excluding Bounce, Max.	ms	27		
Release Time, Max.		10		
Bounce Time, Max.		8		
Insulation Resistance @ 500 Vdc, Min.				
Initial	Mohm	100		
End of Life		50		
Weight, Nominal	gram (oz)	454 (16)		

Features:

- 50 A carry, 200A overload @ 270 Vdc
- · Smallest, lightest DC contactor
- Ideal for circuit protection and control
- Versatile power, voltage, and current operating range
- · Bi-directional power switching
- · Fast operate and release time
- · Low power consumption
- Vacuum-sealed contacts; can operate in harsh environments
- Qualified to SAE ARD 50031 270 Vdc General Relay Spec.
- Space-rated version built in accordance with customers SCD.



COIL DATA					
Volts, Nominal	12	28	120	Unit	
Pickup, Max.	9.9	23	99	Vdc	
Dropout, Min.	.4	1.0	4.0		
Coil Resistance (±10%)	19	103	1890	Ohms	
Energy, Magnetic, Max.	.05	.05	.05	J	

Coil resistance rated at 25°C

Sample Part No. AP50	X B 5 7
Contact Form	
X = SPST-NO Double Mak	e
Coil Voltage	
A = 12Vdc, Stud Terminals	s I I
B = 28Vdc, Stud Terminals	s I I
C = 120Vdc, Stud Termina	als
Power Terminals ———	
5 = Stud Terminals	
Mounting —	
7 = Panel Mount	