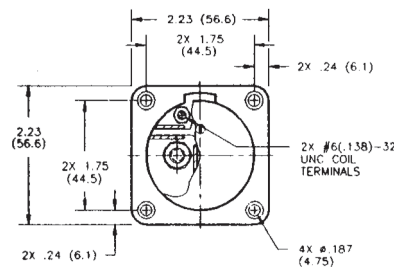
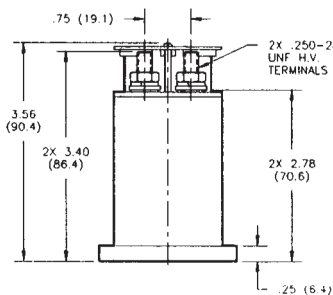


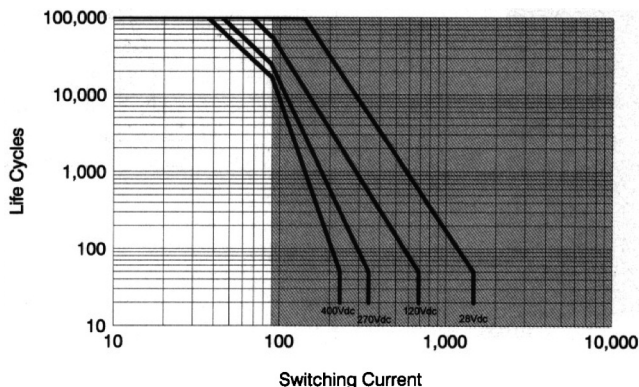
AP90X - 90 Amps SPUD Contactor

Product Facts

- 90 A carry, 350 A overload @ 270 Vdc
- Same size and weight as AP50X
- Versatile power, voltage, and current operating range
- Ideal for circuit protection and control
- Bi-directional switching
- Fast operate and release time
- Low power consumption
- Vacuum-sealed contacts; can operate in harsh environments
- Space-rated version built in accordance with customers SCD
- Meets many requirements of MIL-PRF-32085



Contact Ratings*



*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

Contact Arrangement —
SPST-NO

Contact Form — X

Rated Resistive Load @ 270 Vdc —
90 A

Continuous Current Carry, Max. —
90 A

Overload @ 270 Vdc — 350 A

Contact Resistance, Max. —
2 mohm

Dielectric at Sea Level —

Coil to Power Terminals — 1,800 Vrms
All Other Points — 2,000 Vrms

Shock, 11ms, 1/2 Sine (Peak) —
30 g

Vibration, Sinusoidal (55-2000 Hz, Peak) — 20 g

Operating Ambient Temperature Range — -55°C to +85°C

Load Life @ 270 Vdc, Min. —
25,000 cycles

Operate Time, Excluding Bounce, Max. — 27 ms

Release Time, Max. — 10 ms

Bounce Time, Max. — 8 ms

Insulation Resistance @ 500 Vdc, Min. —

Initial — 100 mohm
End of Life — 50 mohm

Weight, Nominal —
454 gram (16 oz.)

Coil Data

Volts, Nominal	12	28	120
Pickup, Max.	9.9 Vdc	23 Vdc	99 Vdc
Dropout, Min.	.4 Vdc	1.0 Vdc	4.0 Vdc
Coil Resistance ($\pm 10\%$)	19 Ω	103 Ω	1890 Ω
Energy, Magnetic, Max.	.05 J	.05 J	.05 J

Coil resistance rated at 25°C

Ordering Information

Sample Part Number ▶

AP90 X B 5 7

Series:

Contact Form:

X = SPST-NO Double Make

Coil Voltage:

A = 12 Vdc, Stud Terminals

B = 28 Vdc, Stud Terminals

C = 120 Vdc, Stud Terminals

Power Terminals:

5 = Stud Terminals

Mounting:

7 = Panel Mount

For factory-direct application assistance, dial 800-253-4560, ext. 2055, or 805-220-2055.