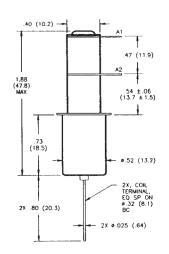


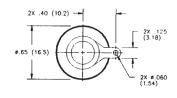
K47 Series Make & Break Load Switching — 8 kV Relays

K47A Product Facts for K47A

- Widely used in antenna coupler applications
- Short actuator, low profile, 8 kV relay
- Vacuum dielectric for power switching low current loads
- Normally open contacts
- Meets requirements of MIL-R-83725







K47B **Product Facts for K47B**

- Normally closed version of
- Vacuum dielectric for power switching low current loads
- 707 Ohm coil for low power consumption
- Meets requirements of MIL-R-83725
- QPL version available, M83725/18-003

Product Specifications for K47A and K47B

Contact Arrangement —

K47A — SPST-NO K47B — SPST-NC

Contact Form

K47A — A K47B — B

Test Voltage, DC or 60 Hz (Peak) -

Rated Operating Voltage (Peak) —

DC or 60 Hz — 8 kV

2.5 MHz — 7.5 kV 16 MHz — 7 kV 32 MHz — 5 kV

Continuous Carry Current, Max. —

DC or 60 Hz — 12 A

2.5 MHz — 10 A 16 MHz — 5 A

32 MHz — 3 A

Coil Hi-Pot (Vrms, 60 Hz) - 500 A

Contact Capacitance -

Between Open Contacts — 1.2 pF Open Contacts to Ground — 1.2 pF

For factory-direct application assistance,

dial 800-253-4560, ext. 2055, or

805-220-2055.

www.te.com

Contact Resistance, Max. — 0.03 ohm

Operate Time, Max. — 10 ms Release Time, Max. — 10 ms

Shock, 11ms, 1/2 Sine (Peak) -

Vibration -

Peak — 10 g (55 to 1000 Hz)

Operating Ambient Temperature

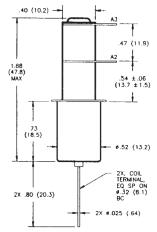
Range — -55°C to +125°C

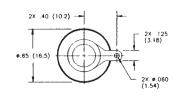
Mechanical Life — 2 million cycles

Weight, Nominal —

25.5 g (0.9 oz.)





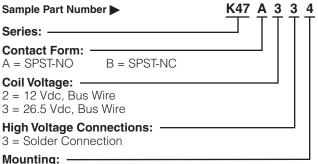


Coil Data

| Nominal Volts DC | 12 Vdc | 26.5 Vdc |
|------------------------|----------|----------|
| Pickup, Max. | 8 Vdc | 16 Vdc |
| Dropout | .5-5 Vdc | 1-10 Vdc |
| Coil Resistance (±10%) | 230 Ω | 707 Ω |

Ratings listed are for 25°C, sea level conditions

Ordering Information



*See page 7-87 for mounting methods.

2 = Flanged

4 = Standard