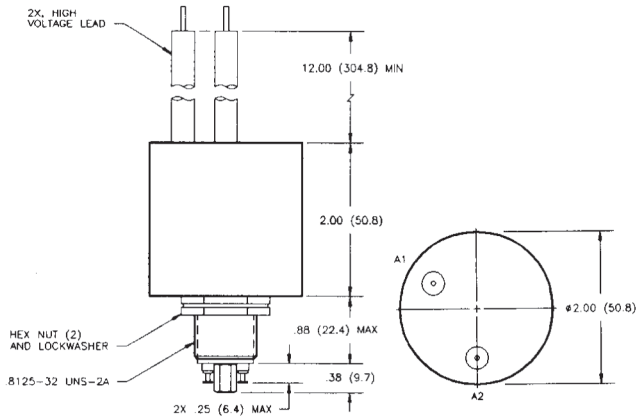
# K61 Series Make Only Load Switching — 35 kV Relays

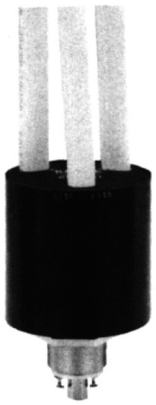
## K61A and K61B Product Facts for K61A and K61B

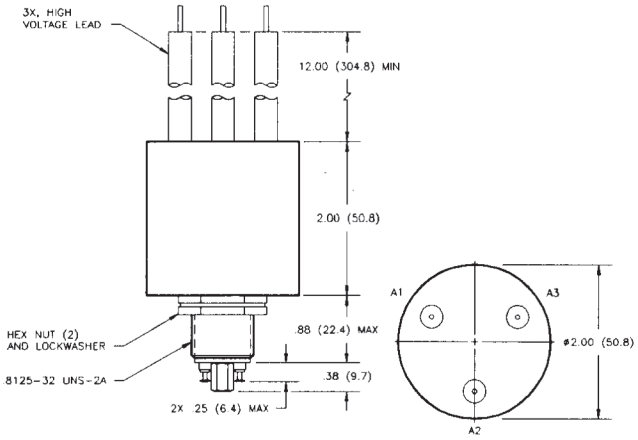
- **SF-6 gas-filled relay excellent for capacitive discharge applications**
- **Widely used in test equipment and medical instruments**
- **Fully operable in air and suitable for adverse environments**




## K61C Product Facts for K61C

- **35 kV rating in compact, durable package**
- **SF-6 gas-filled relay excellent for capacitive discharge applications**
- **SPDT version of K61**






### Product Specifications for K61A, K61B and K61C

**Contact Arrangement** —
K61A — SPST-NO
K61B — STST-NC
K61C — SPDT

**Contact Form** —
K61A — A
K61B — B
K61C — C

**Test Voltage, DC or 60 Hz (Peak)** — 40 kV

**Rated Operating Voltage (Peak)** — DC or 60 Hz — 35 kV

**Continuous Carry Current, Max.** — DC or 60 Hz — 10 A
Coil Hi-Pot (Vrms, 60 Hz) — 500 A

**Contact Resistance, Max.** — 1.0 ohm*

**Operate Time, Max.** — 15 ms

**Release Time, Max.** — 15 ms

**Shock, 11ms, 1/2 Sine (Peak)** — 20 g

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

**Vibration** —
Peak — 10 g (55 to 500 Hz)

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

**Mechanical Life** — 1 million cycles

**Weight, Nominal** — 340 g (12 oz.)

**Note:**
*Contact resistance for gas-filled relays measured at 28 Vdc, 1 Amp

### Coil Data

| Volts, Nominal DC | 12 V | 26.5 V | 115 V |
|---|---|---|---|
| Pickup, Max. | 9 Vdc | 18 Vdc | 90 Vdc |
| Dropout | .5-5 Vdc | 1-10 Vdc | 5-50 Vdc |
| Coil Resistance (±10%) | 30 Ω | 125 Ω | 2000 Ω |

Ratings listed are for 25°C, sea level conditions

### Ordering Information

**Sample Part Number ▶** **K61 A 7 4 1**

**Series:**

**Contact Form:**
A = SPST-NO B = SPST-NC C = SPDT

**Coil Voltage:**
7 = 12 Vdc, Turret Terminal
8 = 26.5 Vdc, Turret Terminal
9 = 115 Vdc, Turret Terminal

**High Voltage Connections:**
4 = Flying Leads, 12"
7 = Flying Leads, 72"
8 = Flying Leads, 36"

**Mounting:**
1 = Threaded



Catalog 5-1773450-5
Revised 3-13

www.te.com

Dimensions are shown for reference purposes only. Specifications subject to change.

Dimensions are in millimeters unless otherwise specified.

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For additional support numbers please visit www.te.com