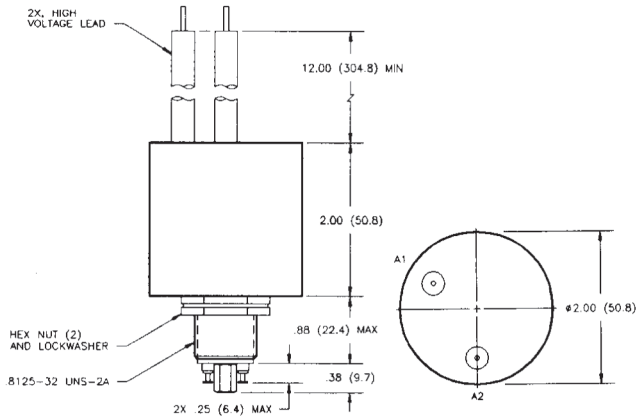
K61 Series Make Only Load Switching — 35 kV Relays

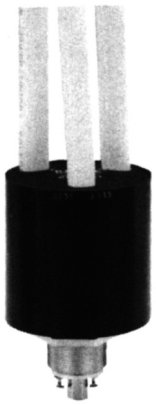
K61A and K61B Product Facts for K61A and K61B

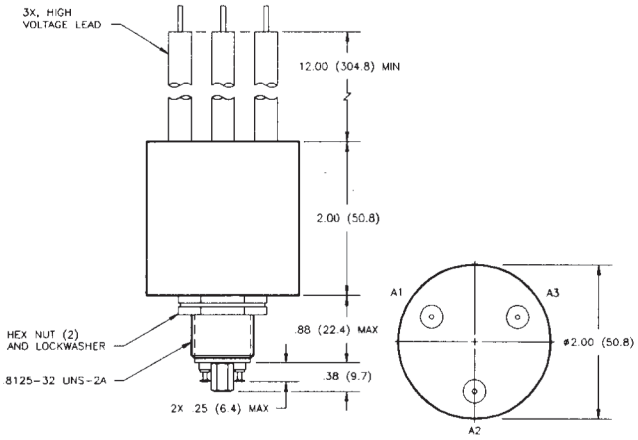
- **SF-6 gas-filled relay excellent for capacitive discharge applications**
- **Widely used in test equipment and medical instruments**
- **Fully operable in air and suitable for adverse environments**



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