

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

2X, HICH VOLTAGE LEAD 12.00 (304.8) MIN 2.00 (50.8) 4 HEX NUT (2) AND LOCKWASHER 8125-32 UNS-2A 2X 25 (64) MAX

K61C Product Facts

- 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.

7–84

Catalog 5-1773450-5 Revised 3-13 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 Num	ber 🕨	<u>K61 A 7 4 1</u>	
Series: ———			
Contact Form: A = SPST-NO	B = SPST-NC	C = SPDT	
Coil Voltage: — 7 = 12 Vdc, Turre 8 = 26.5 Vdc, Tur 9 = 115 Vdc, Tur	rret Terminal		
High Voltage Co 4 = Flying Leads 7 = Flying Leads 8 = Flying Leads	, 12" , 72"		
Mounting:			

1 = Threaded

tin millimeters USA: +1 800 522 6752 Asia Pacific: +86 0 400 820 6015 UK: +44 800 267 666

For additional support numbers please visit www.te.com

reference purposes only. Specifications subject to change.

Dimensions are shown for reference purposes only. Specifications subject