

KP61 Series — 35 kV Relays

REVISIONS				
REV.	ECO	DESCRIPTION	DATE	APPROVED
A	-	INITIAL DRAWING	09JUL2020	JR

Product Facts

- SF-6 gas-filled relay is excellent for capacitive discharge applications
- Widely used in test equipment and medical instruments
- Fully operable in air and suitable for adverse environments
- Contact forms A, B & C
- 35 kV rating in compact, durable package
- Lower cost version of K61 series

Product Specifications

Contact Arrangement/Form —
 SPST-NO / A
 SPST-NC / B
 SPDT / 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

Contact Resistance, Max. —
 1.0Ω

Shock, 11ms, 1/2 Sine (Peak) —
 20 g

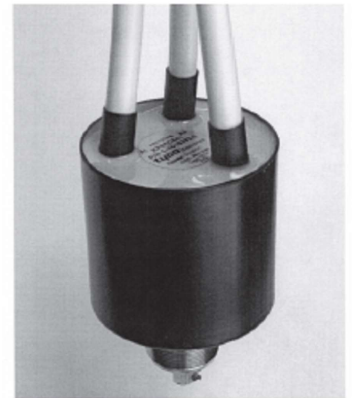
Vibration

Peak — 10 g (55 to 500 Hz)

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

Mechanical Life — 1 million cycles


Weight, Nominal — 297.7g (10.5 oz.)

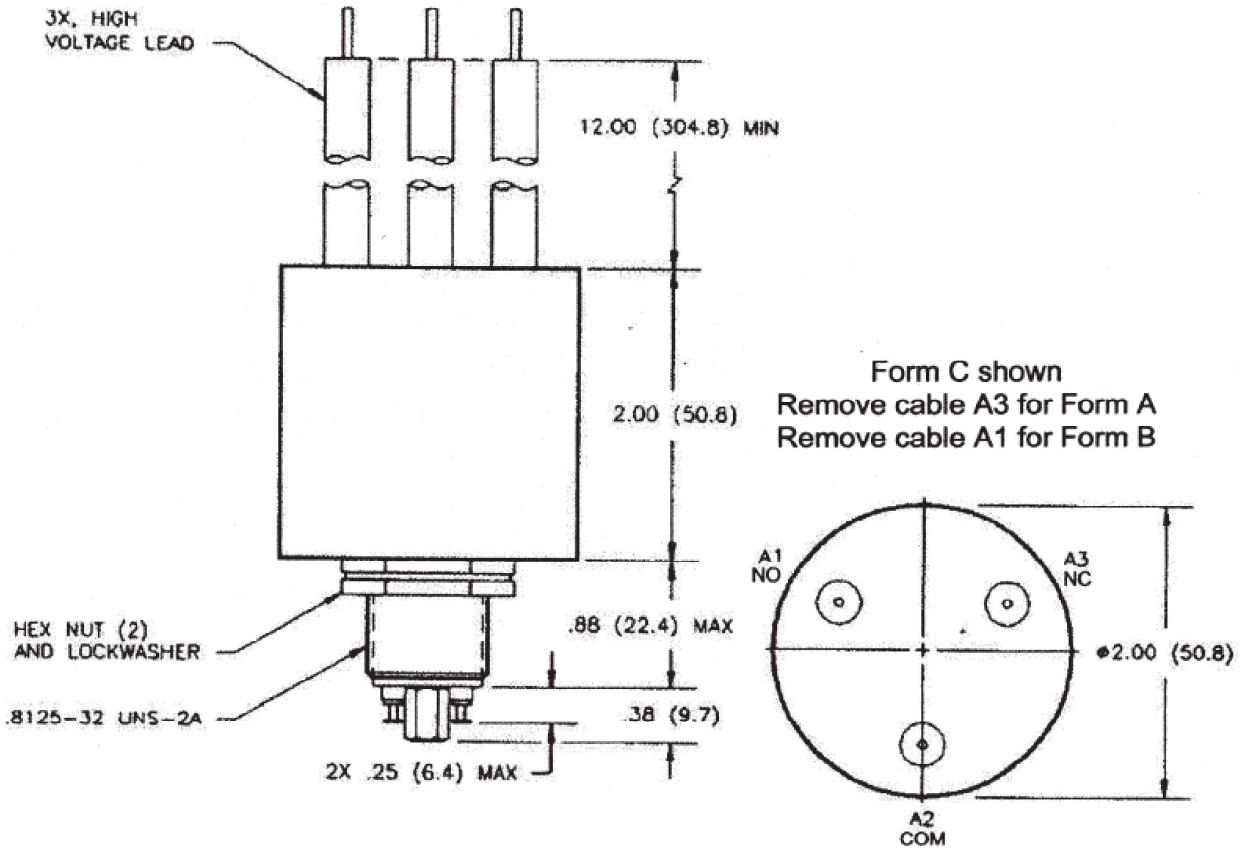


Coil Data

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

 TE CONNECTIVITY CARPINTERIA, CA 93013		TITLE			
		KP61 RELAYS			
		DWG NO.			
		KP61-SERIES			
DS	DATA SHEET	CAGE CODE	SCALE	SHEET	REV
		—	NONE	1 OF 2	A



Ordering Information

Sample Part Number ►

Series: _____ **KP61 C 8 4 1**

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"
 5 = Flying Leads, 72"
 6 = Flying Leads, 36"
 8 = Flying Leads, 36"

Mounting: _____
 1 = Threaded

Dimensions in Inches
 Tolerances Except as Noted
 .xx = ± .03
 .xxx = ± .010
 ∠ x° = ± 5°
 DO NOT SCALE DWG.

ALL DIMENSIONS ARE IN INCHES(mm)

 TE CONNECTIVITY CARPINTERIA, CA 93013	TITLE KP61-RELAYS				
	DWG NO. KP61-SERIES				
DS	DATA SHEET	CAGE CODE -	SCALE NONE	SHEET 2 OF 2	REV A