



FEATURES

- Single or dual-wound DC coils or single-wound AC coils.
- · Contact arrangements to 3PDT.
- · Reset occurs by reversing polarity in a single coil relay or by energizing the reset winding in dual coil relays.

 • Uses same sockets as other KU relays.
- · Well suited for applications such as alarm systems, machine tools, battery chargers and process controls.

CONTACT DATA @ 25°C

Arrangements:

DC Single Coil: 1 Form C (SPDT), 2 Form C (DPDT) and 3 Form C

(3PDT).

DC Dual Coil: 1 Form C (SPDT) and 2 Form C (DPDT).

AC Single Coil: 1 Form C (SPDT), 2 Form C (DPDT) and 3 Form C

(3PDT).

Materials: Fine silver and siver-cadmium oxide.

Expected Life:

Mechanical: 10 million operations.

Electrical: 100,000 operations minimum at rated load.

CONTACT RATINGS

Contact Code	Arrangement	Ratings
5,6,7	1,2,3 poles	10A @ 28VDC or 240VAC, 80% PF; 1/4 HP @ 120VAC, 1/3 HP @ 240VAC

KUL series

10 AMP MAGNETIC **LATCHING RELAY**

File E22575 (f) File 15734

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COIL DATA								
	Nominal Voltage	DC Resistance in Ohms ± 10%†	Must Operate Voltage	0.5 W Resistor				
	Single Coil							
	12	120	9.0					
DC	24	472	18.0 36.0					
Coils	48	1,800						
	Dual Coil*							
	12	90	9.0					
	24	350	18.0	_				
	48	1400	36.0					
	Single Coil with Diodes**							
	12	37	10.2	150Ω				
AC Coils	24 120	176 3,700	20.4 102.0	680Ω 15,000Ω				
50/60 Hz.	240	17,900	204.0	68,000Ω				
30/00 112.	240	17,500	204.0	00,00032				
	Dual Coil							
	Latch Reset							
	24	100 250	20.4					
	120	2525 7800	102.0					

- Dual coil available only with 1 or 2 Form C contacts. On standard dual coil relays, the latch and unlatch voltage must be the same. For unlike
- voltages, please contact your sales representative.

 Diodes and resistors included inside relay with 1 and 2 Form C contacts. For 3 Form C relays, the customer must furnish and wire diodes and resistors externally.
- ±15% for AC coils.

INITIAL DIELECTRIC STRENGTH

Between Open Contacts: 500V rms. Between Adjacent Contacts: 1,500V rms. Between Contacts and Coil: 1,500V rms.

COIL DATA @ 25°C

Duty Cycle: Continuous. (Latch and reset not to be energized

simultaneously).

Initial Insulation Resistance: 100 megohms, minimum.

Initial Breakdown Voltage: 1500V rms, 60 Hz. between all elements.

Note: On single coil AC models one terminal is common. Latch/Reset function is accomplished by input in series with a diode to provide the correct polarity to the coil. To perform either function, the terminal not being used (Latch or Reset) must be open or isolated with no other path to common or ground.

OPERATE DATA @ 25°C

Must Operate Voltage:

DC Coils: 75% of nominal voltage. AC Coils: 85% of nominal voltage.

Operate Time: 25 milliseconds maximum at nominal voltage. Release or Reset Time: 25 milliseconds maximum at nominal voltage.

ENVIRONMENTAL DATA

Temperature Range:

Storage: -45°C to +105°C.

Operating:

Single Coil AC & DC: -45°C to +70°C. Dual Coil DC: -45°C to +50°C.

MECHANICAL DATA

Termination: .187" (4.75 mm), quick connect/solder

Sockets are available

for use with .187" (4.75 mm) terminals.

Enclosure: Clear plastic polycarbonate heat and shock resistant case.

Weight: 3.4 oz. (96 g) approximately.

