



K10 series

15 AMP GENERAL PURPOSE MINIATURE RELAY

⚡ File E22575

Ⓢ File LR15734

7 RELAYS

FEATURES

- K10 - DPDT contact arrangement standard.
- AC and DC coils.
- Mounting options include socket, PCB, top flange.
- Push-to-test option available.
- UL Class B coil insulation system.

CONTACT DATA @ 25 °C

Materials: silver-cadmium oxide.

Expected Life: 10 million operations, mechanical; 100,000 operations minimum at rated loads.

CONTACT RATINGS

Contact Code	UL/CSA Ratings
5	15A @ 30VDC resistive 15A @ 120VAC resistive 1/3 HP @ 120VAC 1/2 HP @ 250VAC

INITIAL DIELECTRIC STRENGTH

Between Open Contacts: 1,000V rms.

Between Adjacent Contacts: 1,500V rms.

Between Contacts and Coil: 1,500V rms.

COIL DATA @ 25 °C

Nominal Power:

DC Coils: .9 Watts.

AC Coils: 1.2VA.

Maximum Power: 2.0 Watts.

Duty Cycle: Continuous.

Insulation: Class B: (130°C)

COIL DATA

Nominal Voltage	DC Coils		AC Coils	
	Resistance in Ohms ± 10%	Nominal Current in Milliamps	Resistance in Ohms ± 15%	Nominal Current in Milliamps
6	40	150	10.5	200
12	160	75	43	100
24	650	37	160	52
48	2,600	18.5	668	26
110	11,000	10	—	—
120*	—	—	3,900	11
240*	—	—	12,000	6

*For 220/240VDC operation, use 11,000 Ohm, 5 Watt dropping resistor in series with the 110VDC coil.

OPERATE DATA @ 25 °C

Must Operate Voltage:

DC Coils: 75% of nominal voltage.

AC Coils: 85% of nominal voltage.

Operate Time (Excluding Bounce): 13 milliseconds, typical, at nominal voltage.

Release Time (Excluding Bounce): 6 milliseconds, typical, at nominal voltage.

ENVIRONMENTAL DATA

Temperature Range:

Storage: -60°C to +105°C

Operating: -45°C to +70°C

MECHANICAL DATA

Mounting: Socket mount, printed circuit board, top flange,

Termination: .187" (4.75 mm) quick connect/solder terminals, or printed circuit terminals.

Enclosure: Smoke-color polycarbonate dust cover.

Weight: 1.8 oz. (51 g) approximately.