



FEATURES

- AC coils 6-277VAC 50/60 Hz., DC 6-110VDC.
 Contact arrangement up to DPDT.
- .250" combination push-on/solder terminals or PC terminals.
- · Side flange and top flange mounting.
- Designed to meet VDE space requirements.
- · Class B coil insulation.

CONTACT DATA @ 25 C

Arrangements: 1 Form C (SPDT) and 2 Form C (DPDT). Material: Silver or silver-cadmium oxide. Expected Mechanical Life: 10 million operations,

CONTACT RATINGS

Contact Arrangement	UL/CSA Ratings	Expected Life
1 Form C Single Pole Double Throw	30A 120/240VAC 1 HP @ 120VAC, 1 1/2 HP @ 240VAC 25A @ 28VDC	100,000 ops.
2 Form C Double Pole Double Throw	20A @ 120/240VAC 3/4 HP @ 120VAC 1 1/2 HP @ 240VAC 20A @ 28VDC 7A @ 120VAC (Tungsten)	100,000 ops.

INITIAL DIELECTRIC STRENGTH

Between Open Contacts: 1,200V rms. Between Adjacent Contacts: 3,750V rms. Between Contacts and Coil: 3,750V rms. Between Coil and Frame: 2,000V rms.

COIL DATA @ 25 C

Voltage: 6-110VDC and 6-277VAC.

Nominal Power: DC Coils: 1.2 Watts. AC Coils: 2.7VA.

Duty Cycle: Continuous. **Initial Insulation Resistance:** 100 megohms, min. **Insulation:** Class B, 130°C.

KUH series

30 AMP POWER RELAYS

FII File E22575 **③** File LR15734-123

COIL DATA

OUL DAIL								
i.	Nominal Voltage	DC Resistance in Ohms ± 10%*	Must Operate Voltage	Nominal Coil Current (mA)				
	6	32.1	4.5	187				
DC	12	120	9.0	100				
Coils	24	472	18.0	51				
	48	1,800	36.0	26.7				
	110	10,000	82.5	11				
	6	4.2	5.1	460				
	12	18	10.2	230				
AC	24	72	20.4	115				
Coils	120	1,700	102.0	24				
	240	7,200	204.0	12				
	277	10,250	235.5	9				

^{*±15%} for AC coils.

OPERATE DATA @ 25 C

Must Operate Voltage:

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

Operate Time (Excluding Bounce): 20 milliseconds, typical, at nominal

voltage. 20 milliseconds, typical, at nominal Release Time (Excluding Bounce): voltage.

ENVIRONMENTAL DATA

Temperature Range: Operating: DC Coils:

Open: -45°C to +85°C.
Enclosed: -45°C to +70°C.
Openating: AC Coils:
Open: -45°C to +60°C. Enclosed: -45°C to +45°C.

Shock: 15 Gs, 11 ms (non-operating).

Vibration: .065" double amplitude, 10-55 Hz.

MECHANICAL DATA

Termination: .250" quick connect/solder; and PC board. **Enclosure:** Polycarbonate dust cover. Weight: 3.2 oz. (92 g) approximately.

ORDERING INFORMATION

AC coils to 277VAC, 50/60 Hz.

	Typical Part No. ➤	KUH-	11	Α	1	2	-120
1. BASIC SERIES AND TYPE: KUHP = Enclosed 20/30 amp relay.				,			
2. CONTACT ARRANGEMENT & RATING: 1 = 1A (SPST-NO); 30 amps. 11 = 2C (DPDT); 20 amps. 5 = 1C (SPDT); 30 amps.							
3. COIL INPUT: A = AC. 50/60 Hz. D = DC							
4. MOUNTINGS: KUHP							
1 = PLAIN CASE 5 = BRACKET MOUNT CASE T = TOP FLANGE							
5. TERMINALS & CONTACT MATERIALS: 1 = .250" (6.35 mm) quick connect/solder; silver-cadmium oxide.	7 = .047" (1.19 mm) printed	circuit; silver-ca	dmium c	oxide.		•	
6. COIL VOLTAGE:			************				,

DC coils to 110VDC. STOCK ITEMS - The following items are normally maintained in stock for immediate delivery

KUHP-5A51-24 KUHP-5A51-120 KUHP-5AT1-120 KUHP-5D51-12 KUHP-5D51-24 KUHP-5DT1-12 KUHP-5DT1-24 KUHP-11A51-24 KUHP-11AT1-120 KUHP-11D51-12 KUHP-11D51-24 KUHP-11DT1-12 KUHP-11DT1-24

