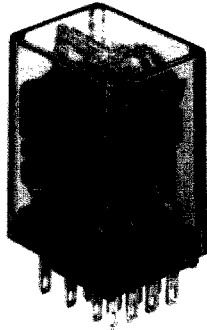


KHS



KHAU

**KHA series**  
**GENERAL PURPOSE**  
**DRY CIRCUIT TO 5A**  
**MULTICONTACT**  
**AC OR DC RELAY**

UL File E22575

CS File LR15734

**FEATURES**

- Miniature size from 2 pole to 4 pole. A 5 pole version is available as a special order.
- KHS hermetically sealed version UL Approved for Class 1 Division 2 hazardous locations.
- Various applications include process control, photocopier, and data processing.
- Low cost, semiautomated construction.

**COIL DATA @ 25 C**

**Voltage:** From 6 to 120V DC, and 6 to 240V AC, 50/60 Hz.  
**Nom. Power:** DC coils - 0.9 watt; 0.5 watt minimum operate @ 25°C.  
AC coils - 1.2 VA; 0.55 VA minimum operate @ 25°C.  
**Max. Power:** DC coils - 2.0 watts @ 25°C.  
**Duty Cycle:** Continuous.  
**Initial Breakdown Voltage:** 500V rms, 60 Hz.

**CONTACT DATA @ 25 C**

**Arrangements:** 2 Form C (DPDT), 4 Form C (4PDT).  
**Expected Life:** 10 million operations, mechanical; 100,000 operations min. at rated loads. Ratings are based on tests of relays with ungrounded frames.  
**Initial Breakdown Voltage:** 500V rms, 60 Hz., between open contacts.  
1240V rms, 60 Hz., between all other elements.

**COIL DATA**

DC Coils			AC Coils	
Nominal Voltage	Resistance in Ohms ±10% @ 25°C	Nominal Inductance in Henrys	Resistance in Ohms ±15%	Nominal AC Current in mA
5	32	.072	—	—
6	40	.08	10.5	200
12	160	.28	43	100
24	650	1.0	160	52
48	2,600	4.5	668	25
110 *	11,000	17.0	—	—
120 *	13,500	—	3,900	11.0
240	—	—	12,000	6.0

\*Note: For 220 and 240VDC, use series dropping 5W resistor of 11,000Ω.

**CONTACT RATINGS**

Contact Code	Material	Resistive Rating	
		Minimum	Maximum
1	Silver	100mA @ 12VAC/12VDC	3A @ 120VAC/28VDC
2*	Silver-cadmium oxide	500mA @ 12VAC/12VDC	5A @ 120VAC/28VDC
6	Bifurcated cross bar, gold overlay silver	Dry circuit	1A @ 120VAC/28VDC
8	Gold diffused silver	50mA @ 12VAC/12VDC	3A @ 120VAC/28VDC

Note: Relays should only carry a maximum of 15 amps continuously for all poles combined.

Note: KHS hermetically sealed version maximum rating is 5A @ 120VAC/28VDC.

**OPERATE DATA @ 25 C**

**Must-Operate Voltage:** DC: 75% of nominal voltage.  
AC: 85% of nominal voltage.  
**Operate Time:** 13 milliseconds typical @ nominal voltage (excluding bounce).  
**Release Time:** 6 milliseconds typical @ nominal voltage (excluding bounce).

**ENVIRONMENTAL DATA**

**Temperature Range:** -45°C to +70°C operate.  
-60°C to +130°C storage.

**MECHANICAL DATA**

**Mountings:** #3-48 stud, sockets with printed circuit or solder terminals, or bracket plate with #6-32 threaded stud.  
**Termination:** Printed circuit or solder/socket terminals.  
Printed circuit terminals are available for KHS on a special order basis.  
**Enclosures:** See Ordering Information table.  
**Weight:** 1.6 oz. approx. (45 g)