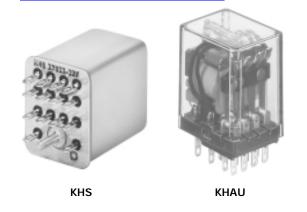
查询"KHAU-17A16-24"供应商



Features

- · Miniature size from 2 pole to 4 pole.
- KHAU is produced on an automated line, while KHU is produced manually. Form, fit and function of the two versions are identical.
- KHS hermetically sealed version UL Approved for Class 1 Division 2 hazardous locations.
- Various applications include process control, photocopier, and data processing.
- Push-to-test and inidcator options available.
- Various contact materials available for specific load requirements.

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

Contact Ratings

Contact		Resistive Rating				
Code	Material	Minimum	Maximum			
1	Silver	100mA @ 12VAC/12VDC	3A @ 120VAC/28VDC			
2*	Silver-cadmium oxide	500mA @ 12VAC/12VDC	5A @ 120VAC/28VDC			
3	Gold-silver-nickel	10mA @ 12VAC/12VDC	2A @ 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.

KHS Contact Ratings Class I Division II Hazardous Location: 5A@28VDC/120VAC UL 508 (Industrial Control): 3A@28VDC/120VAC; 1/10 HP @ 120VAC.

KHA series

General Purpose Dry Circuit to 5A Multicontact AC or DC Relay

AJ File E22575 File LR15734

Coil Data @ 25°C

Voltage: From 6 to 120VDC, and 6 to 240VAC, 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.

Coil Data

	DC Coils	AC Coils			
Nominal Voltage	Resistance in Ohms ±10% @ 25ºC	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 *	—	_	3,900	11.0	
240	—	—	12,000	6.0	

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

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. (45g).

RB Ordering Information

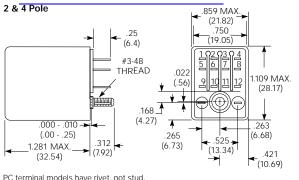
	查询"KHA	AU-17A16-	24"供应	pical Part N	No. 🕨	KHA	U	-17	Α	1	1	В	-24
1.	Basic Series: (S	ee Note 1)				_							
2.	Type: E = Printed circuit S = Solder termin KHS frame w U = Solder termin (UL & CSA).	nals, hermetical vithout consultir	ly sealed stee ng factory for	el case (UL & load levels. (CSA). Note Order as K	e: Do not g KHS, not KH	round IAS.)						
3.	Contact Arrange 11 = 2 Form C (D 17 = 4 Form C (4	PDT)						-					
4.	Operating Coil: $A = AC$ $D = D$	C											
5.	Mounting and T	ermination:											
	1 = Socket moun	t, solder termina	als on S, U ty	pes; printed ci	rcuit termir	nals on E ty	vpes.						
6.	Contact Materia	l:					·						
	Relay Type	E	S	U]								
	Available Codes	1, 2, 3, 6, 8	1*, 2*, 3	1, 2, 6, 8									
	*UL Rated 1/10 H	HP, 3A, 120VAC	when used	with mounting	g & termin	ation 1.							
	1 = Silver. 2 = Silver-cadmiu		8 = Gold-silve 5 = Bifurcated	er-nickel. d crossbar, go	old overlay	silver.	8 =	Gold diffus	ed silver.				
7.	Options Availabl	le:											
	Relay Type	E	S	U									
	Available Codes	B (DPDT only)	None	N B H L M									
	B = Push to test N = Neon indicate H = Neon indicate L = LED indicator M = LED indi	or. Only available or and push to te . Only available	est button. Or with 6-48VD0	nly available w C coils.	ith 120VA	C or DC coi					n 4 or 8.		
8.	Coil Voltage: 6, 12, 24, 48, 120 6, 12, 24, 48, 110		**240VA	AC coil is not a	available on	n KHS type	relays.						

Note 1: Some KHA models available in KH construction. Specify KH instead of KHA.

Stock Items - The following items are normally maintained in stock for immediate delivery.

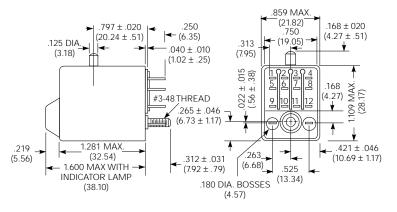
		J	· ·	
KHAE-	17D12-24	KHAU-17D11-24		KHS-17D11-48
KHAU	-11A11-120	KHAU-17D11-48		KHS-17D11-110
KHAU	-11D11-24	KHAU-17D11-110		KHS-17D12-12
KHAU	-17A11-12	KHAU-17D12-12		KHS-17D12-24
KHAU	-17A11-24	KHAU-17D12-24		
KHAU	-17A11-120	KHAU-17D12-48		
KHAU	17A11N-120	KHAU-17D12-110		
KHAU	-17A12-120	KHAU-17D16-12		
KHAU	-17A13-120	KHAU-17D16-24		
KHAU	-17A16-24	KHS-17A11-24		
KHAU	-17A16-120	KHS-17A11-120		
KHAU	17A18-120	KHS-17A12-120		
KHAU	-17D11-6	KHS-17D11-12		
KHAU	17D11-12	KHS-17D11-24		

Mooting"%hthAUK#AA\$6924"供应商



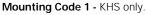
PC terminal models have rivet, not stud. Max. seated height in 27E006 socket is 1.37" (34.8mm).

Mounting Code 1 - Neon Indicator, Push-To-Test.

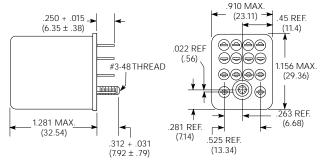


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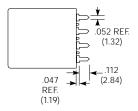


2 & 4 Pole



Class 1 Div. 2 Group A, B, C & D Hazards

Printed Circuit Terminals



Printed circuit terminal thickness .022 (.558)

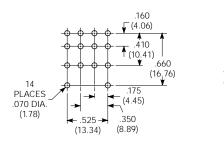
Wiring Diagrams (Bottom Views) 2 Pole 4 Pole 1 5 8∎► 9 🕳 12 🕳 -llll - 14

+ = Polarity for LED indicator

13

+

PC Board Layout (Bottom View)



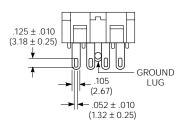
For KHAE Relays with PC terminals and sockets with PC terminals

Relays wilth solder terminals are required for use with sockets. **Socket Description**

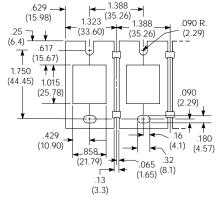
Industrial Part No.	No. of Poles	Terminal Groundi and Length Provisio		Socket Material
27E006*	4	Solder .375" (9.53mm)	Yes	Nylon
27E007*	4	P.C218" (5.54mm)	Yes	Nylon
27E023* 27E220*	4 2	P.C218" (5.54mm)	No	Nylon
27E166**	4	Screw	Yes	Glass-filled Polyester
27E894**	4	Screw	No	Glass-filled Polyester
20C217 20C297		Relay Hold Do Relay Hold Do (use with 27E 27E894)	i orgester	

* UL Recognized, file E22575 ** UL Recognized, file E59244

Pierced Solder Terminals



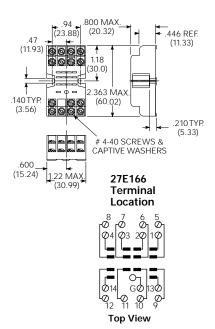
Mounting Strip 37D633



37D633 will mount eight solder terminal sockets in one length of aluminum strip measuring 10.97" x 2.25" x .062 (278.6 x 57.15 x 1.57)

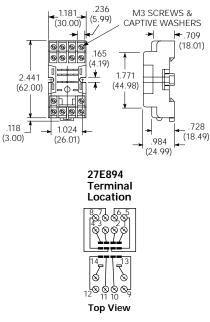
Screw Terminal Socket 27E166

Relays with solder terminals are required for use with screw terminal sockets.



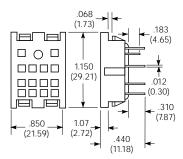
Screw Terminal DIN Rail, Snap-Mount Socket 27E894

(Use with mounting track 24A110)



Tyco Electronics Corporation - P&B, Winston-Salem, NC 27102 Technical Support Center: 1-800-522-6752, www.pandbrelays.com

4-Pole Socket



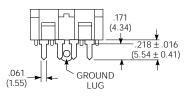
Recommended Chassis Cutouts For Mounting Sockets



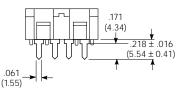
Recommended Chassis Thickness .031 (.79) to .062 (1.57)

Socket punch Greenlee part 5015115.0, Type 731R available from Greenlee Tool Co., Rockford, Illinois. (4-pole)

Printed Circuit Terminals With Grounding Lug



Without Grounding Lug



Caution: Printed circuit sockets are manufactured with "floating" (Loose) terminals. This permits them to align with holes in the circuit board and with the relay terminals. During the mounting and soldering of the socket, vertical float should be eliminated and the terminals seated on the board. (This may be accomplished by inserting a dummy relay in the socket.) Failure to eliminate float may cause fracture of the solder joint or separation of the copper conductor from the printed circuit board when a relay is inserted in the socket after soldering.

Hold Down Spring 20C217

