

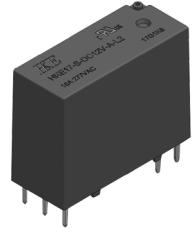
# HKE17

Magnetic Latching Relay

## Features

- Magnetic Latching Relay
- Outline Dimension: 24.0×10.0×18.8mm
- SPST 16A Magnetic latching relay
- Max.Surge Current 100A/2ms
- Comply to IEC 60335-1:household and similar electrical appliances-safety
- Impulse voltage is 12000V,Dielectric strength is 5000V

## Relay Picture



## ORDERING INFORMATION

HKE17 - S - DC12V - A T - L1

Model	Enclosure	Coil Voltage	Contact Form	Contact Rating	Coil Type
	S - Plastic Sealed Type	DC3V,DC5V,DC6V,DC9V, DC12V,DC24V	A-1 Form A	Blank-Standard 8A T- 16A(surge100A)	L1 - Single coil L2 - Double coil

## SPECIFICATION

### CONTACT DATA

Contact Form	1 Form A		
Contact Material	AgSnO <sub>2</sub>		
Contact Rating	Standard: 8A 250VAC T : 16A 277VAC		
Contact Resistance	Max.20mΩ(6VDC 1A)		
Load	Max. Switching Voltage	250VAC	277VAC
	Max. Switching Current	8A	16A
	Max. Switching Power	2000VA	4432VA
	Min. Switching Load	1A 6VDC	
Life	Electrical*1	5×10 <sup>4</sup> (8A,20ops/min) 2×10 <sup>4</sup> (16A,frequency 1s:5s) 2.5×10 <sup>4</sup> (600W/120VAC/100Asurge current tungsten)	
	Mechanical	1×10 <sup>6</sup> (180ops/min)	

### COIL DATA

Nominal Coil Power	L1(Single coil): 0.2W(8A),0.6W(16A) L2(Double coil): 0.4W(8A),1.0W(16A)
Max.permitted voltage	110% of nominal voltage

### GENERAL DATA

Insulation Resistance	Min.1000MΩ 500VDC	
Dielectric Strength	Between open contacts	1,000VAC,50/60Hz,1min
	Between coil and contacts	5,000VAC,50/60Hz,1min
Impulse voltage(Between coil and contacts)	12000V	
Operate Time*2	Max.15ms	
Reset Time *2	Max.15ms	
Operating Temperature	-40℃ to +85℃(8A ) -40℃ to +70℃(8A~16A )	
Humidity	5~85%RH, +40℃	
Shock Resistance	Destruction	1,000m/s <sup>2</sup>
	Functional	100m/s <sup>2</sup>
Vibration Resistance	Destruction	10~55Hz,1.5mmdouble amplitude
	Functional	10~55Hz,1.5mmdouble amplitude
		Approximately8g

Note:Data shown are of initial value

\*1:The frequency for tungsten is 1s:59s

\*2:nominal voltage,containing contact bouncing time

## COIL DATA

Ambient Temperature: 23°C

### Single coil L1

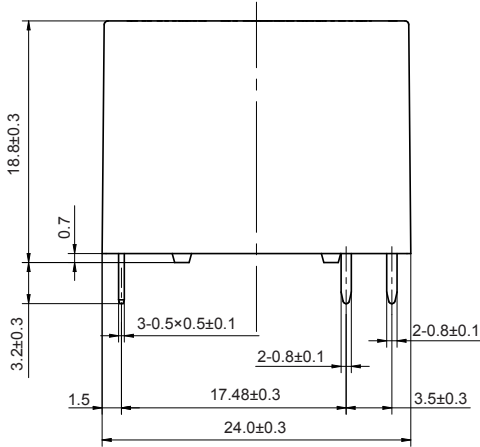
Model	Nominal Voltage VDC	Coil Resistance $\Omega$ +/-10%	Operate Voltage $\leq$ VDC	Reset Voltage $\leq$ VDC	Coil Power W
HKE17-S-DC3V-A-L1	3	45	2.4	2.4	0.2
HKE17-S-DC5V-A-L1	5	125	4.0	4.0	
HKE17-S-DC6V-A-L1	6	180	4.8	4.8	
HKE17-S-DC9V-A-L1	9	405	7.2	7.2	
HKE17-S-DC12V-A-L1	12	720	9.6	9.6	
HKE17-S-DC24V-A-L1	24	2880	19.2	19.2	
HKE17-S-DC3V-AT-L1	3	15	2.4	2.4	0.6
HKE17-S-DC5V-AT-L1	5	42	4.0	4.0	
HKE17-S-DC6V-AT-L1	6	60	4.8	4.8	
HKE17-S-DC9V-AT-L1	9	135	7.2	7.2	
HKE17-S-DC12V-AT-L1	12	240	9.6	9.6	
HKE17-S-DC24V-AT-L1	24	960	19.2	19.2	

### Double coil L2

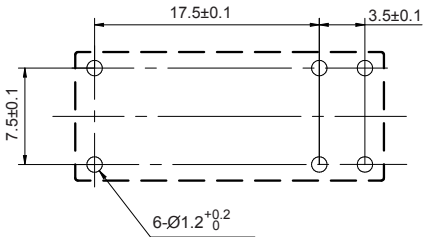
Model	Nominal Voltage VDC	Coil Resistance $\Omega$ +/-10%		Operate Voltage $\leq$ VDC	Reset Voltage $\leq$ VDC	Coil Power W	
		SET	RESET			SET	RESET
HKE17-S-DC3V-A-L2	3	22.5	22.5	2.4	2.4	0.4	0.4
HKE17-S-DC5V-A-L2	5	62.5	62.5	4.0	4.0		
HKE17-S-DC6V-A-L2	6	90	90	4.8	4.8		
HKE17-S-DC9V-A-L2	9	202.5	202.5	7.2	7.2		
HKE17-S-DC12V-A-L2	12	360	360	9.6	9.6		
HKE17-S-DC24V-A-L2	24	1440	1440	19.2	19.2		
HKE17-S-DC3V-AT-L2	3	9	9	2.4	2.4	1.0	1.0
HKE17-S-DC5V-AT-L2	5	25	25	4.0	4.0		
HKE17-S-DC6V-AT-L2	6	36	36	4.8	4.8		
HKE17-S-DC9V-AT-L2	9	81	81	7.2	7.2		
HKE17-S-DC12V-AT-L2	12	144	144	9.6	9.6		
HKE17-S-DC24V-AT-L2	24	576	576	19.2	19.2		

## OUTLINE, WIRING DIAGRAM, MOUNTING HOLE LAYOUT (UNIT: mm)

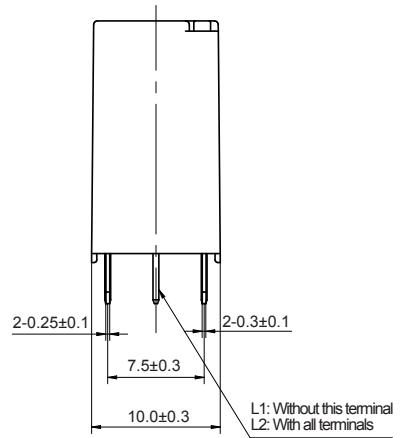
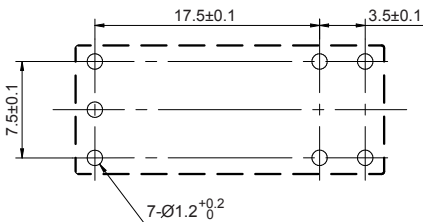
Outline



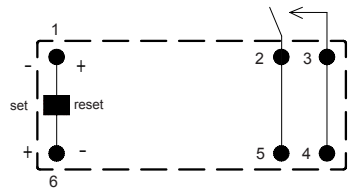
Mounting Hole for L1  
(Bottom View)



Mounting Hole for L2  
(Bottom View)



Wiring for L1  
(Bottom View)



Wiring for L2  
(Bottom View)

