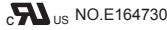


**HKE16**

Magnetic Latching Relay

**Features**

- Outline Dimension: 29.0×12.7×16.0mm
- DPST 16A Magnetic latching relay  
Max.Surge Current 350A/2ms
- Energy-saving and Environmental
- Friendly product(RoHS Compliant)

**Safety Approval**

**Relay Picture****ORDERING INFORMATION**

<b>HKE16</b> [H] - [S] - [DC12V] - [2A] - [L1]					
Model	Coil Sensitivity	Enclosure	Coil Voltage	Contact Form	Coil Type
	H - High Sensitivity Blank-Standard	S - Plastic Sealed Type	DC3V,DC5V,DC6V,DC9V, DC12V,DC24V,DC48V	2A-DPST	L1 - Single coil L2 - Double coil

**SPECIFICATION****CONTACT DATA**

Contact Form	2A-DPST	
Contact Material	Ag Alloy	
Contact Rating	16A 250VAC, 5×10 <sup>4</sup> (Res) 20A 250VAC, 2×10 <sup>4</sup> (Res) 1.5HP 250VAC, 3×10 <sup>4</sup> (HP) 8A 220VAC, cosφ0.4, 3×10 <sup>4</sup> 3300W 277VAC, 2×10 <sup>4</sup> (Electronic Ballast)	
Contact Resistance	Max. 20mΩ(24VDC 1A)	
Load	Max. Switching Voltage	277VAC
	Max. Switching Current	20A
	Max. Continuous Current	20A(23°C, 1h)
	Min. Switching Load	1A 24VDC
Life	Electrical	Refer to "contact load"
	Mechanical	1×10 <sup>6</sup> ops(300ops/min)

**GENERAL DATA**

Insulation Resistance	Min.1000MΩ 500VDC	
Dielectric Strength	Between open contacts	1,000VAC, 50/60Hz, 1min
	Between coil and contacts	4,000VAC, 50/60Hz, 1min
Operate Time	Max. 15ms	
Reset Time	Max. 15ms	
Operating Temperature	-40°C to +85°C	
Humidity	5~85%RH, +40°C	
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
Weight	Approximately 12g	

Note: Data shown are of initial value

**COIL DATA**

Coil Power for standard type	L1: 0.8W, L2: 1.2W
Coil Power for high sensitivity	L1: 0.6W, L2: 0.8W

**SAFETY APPROVAL**

File Number	Contact Form	Power Consumption	Coil Voltage	Contact Rating	Remarks
UL E164730	2A	L1: 0.8W, L2: 1.2W L1: 0.6W, L2: 0.8W	3,5,6,9,12,24,48VDC	16A 250VAC(GP)	Ambient Temperature: 85°C
	2A		3,5,6,9,12,24,48VDC	20A 250VAC(GP)	Ambient Temperature: 85°C
	2A		3,5,6,9,12,24,48VDC	TV-8 125VAC	Ambient Temperature: 40°C
	2A		3,5,6,9,12,24,48VDC	1.5HP 250VAC	Ambient Temperature: 85°C

Specifications subject to change without notice

ISO9001, ISO/TS16949, ISO14001 Approved

**HKE** HKE16-214

**HKE16**

Magnetic Latching Relay

## COIL DATA

Ambient Temperature: 23°C

## Standard

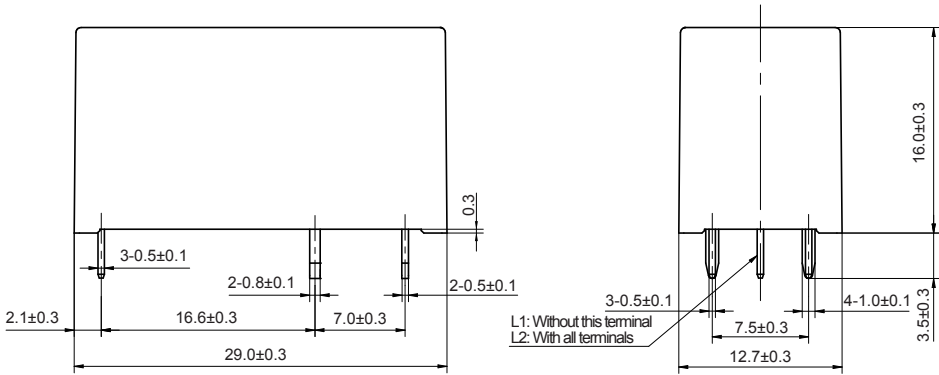
Model	Nominal Voltage VDC	Coil Resistance $\Omega \pm 10\%$	Operate Voltage $\leq \text{VDC}$	Reset Voltage $\leq \text{VDC}$	Coil Power W	Pulse width $\geq \text{ms}$
HKE16-S-DC3V-2A-L1	3	11.3	2.4	2.4	0.8	30
HKE16-S-DC5V-2A-L1	5	31.3	4.0	4.0		
HKE16-S-DC6V-2A-L1	6	45	4.8	4.8		
HKE16-S-DC9V-2A-L1	9	101.3	7.2	7.2		
HKE16-S-DC12V-2A-L1	12	180	9.6	9.6		
HKE16-S-DC24V-2A-L1	24	720	19.2	19.2		
HKE16-S-DC48V-2A-L1	48	2880	38.4	38.4	1.2	30
HKE16-S-DC3V-2A-L2	3	7.5+7.5	2.4	2.4		
HKE16-S-DC5V-2A-L2	5	20.8+20.8	4.0	4.0		
HKE16-S-DC6V-2A-L2	6	30+30	4.8	4.8		
HKE16-S-DC9V-2A-L2	9	67.5+67.5	7.2	7.2		
HKE16-S-DC12V-2A-L2	12	120+120	9.6	9.6		
HKE16-S-DC24V-2A-L2	24	480+480	19.2	19.2	38.4	38.4
HKE16-S-DC48V-2A-L2	48	1920+1920				

## High Sensitivity

Model	Nominal Voltage VDC	Coil Resistance $\Omega \pm 10\%$	Operate Voltage $\leq \text{VDC}$	Reset Voltage $\leq \text{VDC}$	Coil Power W	Pulse width $\geq \text{ms}$
HKE16H-S-DC3V-2A-L1	3	15	2.4	2.4	0.6	30
HKE16H-S-DC5V-2A-L1	5	42	4.0	4.0		
HKE16H-S-DC6V-2A-L1	6	60	4.8	4.8		
HKE16H-S-DC9V-2A-L1	9	135	7.2	7.2		
HKE16H-S-DC12V-2A-L1	12	240	9.6	9.6		
HKE16H-S-DC24V-2A-L1	24	960	19.2	19.2		
HKE16H-S-DC3V-2A-L2	3	11.3+11.3	2.4	2.4	0.8	30
HKE16H-S-DC5V-2A-L2	5	31.3+31.3	4.0	4.0		
HKE16H-S-DC6V-2A-L2	6	45+45	4.8	4.8		
HKE16H-S-DC9V-2A-L2	9	101.3+101.3	7.2	7.2		
HKE16H-S-DC12V-2A-L2	12	180+180	9.6	9.6		
HKE16H-S-DC24V-2A-L2	24	720+720	19.2	19.2		

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

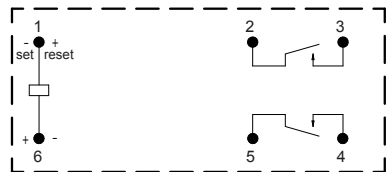
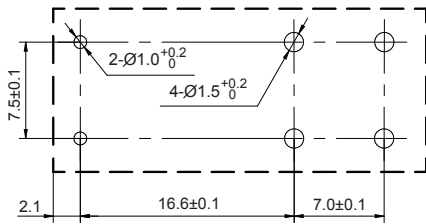
Outline



L1: Without this terminal  
L2: With all terminals

Mounting Hole for L1  
(Bottom View)

Wiring for L1  
(Bottom View)



Mounting Hole for L2  
(Bottom View)

Wiring for L2  
(Bottom View)

