

**RoHS
Compliant**



Features

- Outline Dimension: 29mm × 12.7mm × 16.0mm
- DPST 16A Magnetic latching relay
- Max.Surge Current 350A/2ms
- Energy-saving and Environmental

Specification

Contact Data		
Contact Form	2 Form A, 2 Form B	
Contact Material	Ag Alloy	
Contact Rating	16A 250V AC, 5×10 ⁴ (Res) 20A 250V AC, 2×10 ⁴ (Res) 1.5HP 250V AC, 3×10 ⁴ (HP) 8A 220V AC, cosφ 0.4, 3×10 ⁴ 3300W 277V AC, 2×10 ⁴ (Electronic Ballast)	
Contact Resistance	Max. 50mΩ (6V DC 1A)	
Load	Max. Switching Voltage	277V AC
	Max. Switching Current	20A
	Max. Continuous Current	20A (23°C, 1h)
	Min. Switching Load	1A 24V DC
Life	Electrical	Refer to "contact load"
	Mechanical	1×10 ⁶ ops (300ops/min)
Coil Data		
Coil Power for standard type	L1: 0.8W, L2: 1.2W	
Coil Power for high sensitivity	L1: 0.6W, L2: 0.8W	
General Data		
Insulation Resistance	Min.1000MΩ 500V DC	
Dielectric Strength	Between open contacts	1,000V AC,50/60Hz, 1min
	Between coil and contacts	4,000V AC,50/60Hz,1min
Operate Time	Max. 15ms	
Release Time		
Operating Temperature	-40°C to +85°C	
Humidity	5-85%RH, 40°C	
Shock Resistance	Endurance	1,000m/s ²
	Misoperation	100m/s ²
Vibration Resistance	Endurance	10-55Hz, 1.5mmdouble amplitude
	Misoperation	
Weight	Approximately 12g	

Note:Data shown are of initial value

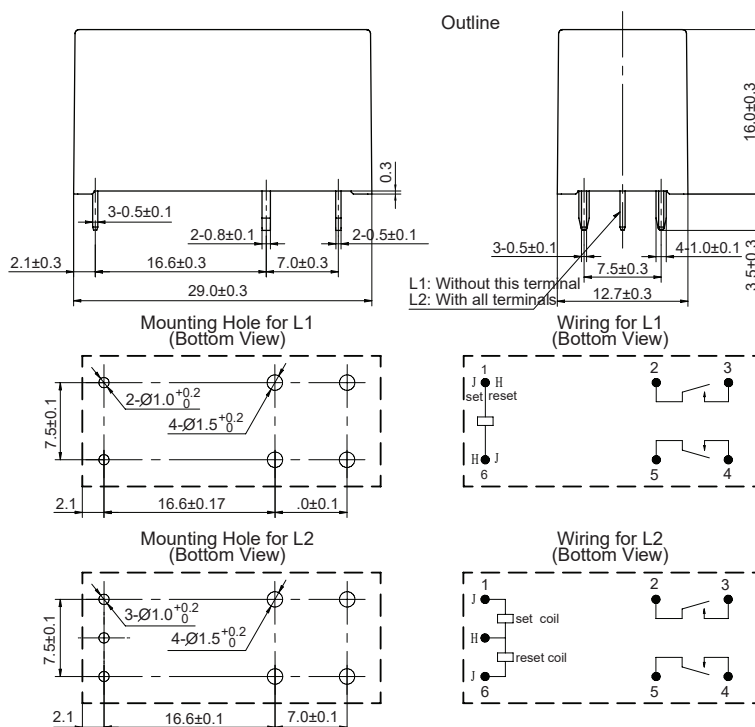
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Coil Data

Ambient Temperature: 23°C

Model	Nominal Voltage V DC	Coil Resistance $\Omega \pm 10\%$	Operate Voltage $\leq V$ DC	Reset Voltage $\leq V$ DC	Coil Power W	Pulse width $\geq m$
MPHKE16H-S-DC5V-2A-L1	5	42	4	4	0.6	30
MPHKE16H-S-DC5V-2A-L2	5	31.3+31.3			0.8	

Outline, Wiring Diagram, Mounting Hole Layout



Part Number Table

Description	Part Number
Power Relay, PCB Type, NO, 0.6W, 16A, 30ms, 5V DC	MPHKE16H-S-DC5V-2A-L1
Power Relay, PCB Type, NO, 0.8W, 16A, 30ms, 5V DC	MPHKE16H-S-DC5V-2A-L2

Dimensions : Millimetres

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