

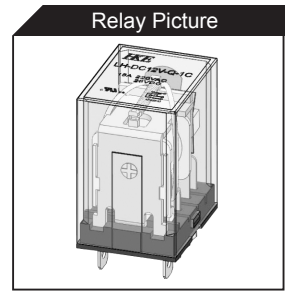


Features

- Dimensions: 27.6×21.6 ×35.0 (mm)
- Switching capacity: 15A
- Contact: 1 Form, 2 Form
- Transparent cover
- AC/DC Coil

Safety Approval

US NO.E164730



ORDERING INFORMATION

LH - DC12V - D - Q - 1A

Model	Coil Voltage	Parallel Diode	Terminal Type	Contact Form
	DC5V,DC6V,DC12V, DC24V,DC48V,DC110V AC6V,AC12V,AC24V,AC48V, AC110/120V,AC220/240V	D - With Diode Blank - Standard	Q - Quick Connect Terminal Blank - PCB Terminal	1A - 1 Form A 2A - 2 Form A 1B - 1 Form B 2B - 2 Form B 1C - 1 Form C 2C - 2 Form C

SPECIFICATION

CONTACT DATA

Contact Form	1 Form A, 1 Form B, 1 Form C 2 Form A, 2 Form B, 2 Form C	
Contact Material	Ag Alloy	
Contact Rating (Resistive)	1 Form: 15A 220VAC/28VDC 2 Form: 10A 220VAC/28VDC	
Contact Resistance	Max.50mΩ(6VDC 1A)	
Load	Max. Switching Voltage	250VAC/30VDC
	Max. Switching Current	1 Form: 15A, 2 Form: 10A
	Max. Switching Power	1 Form: 3300VA/420W 2 Form: 2200VA/280W
Life	Electrical	100,000 operations
	Mechanical	20,000,000 operations

COIL DATA

Nominal Coil Power	DC: 900mW, 1100mW AC: 1200mVA
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GENERAL DATA

Insulation Resistance		Min.1000MΩ 500VDC
Dielectric Strength	Between open contacts	1,000VAC,1min
	Between coil and contacts	1,500VAC,1min
	Between contacts sets	1,500VAC,1min
Operate Time		Max.25ms
Release Time		Max.25ms
Operating Temperature		-40°C to +70°C
Humidity		98%RH, +40°C
Shock Resistance	Endurance	1,000m/s ²
	Misoperation	100m/s ²
Vibration Resistance	Endurance	10~55Hz, 1mm double amplitude
	Misoperation	10~55Hz, 1mm double amplitude
Weight		Approximately 37g

Note:Data shown are of initial value

COIL DATA

Ambient Temperature: 23°C

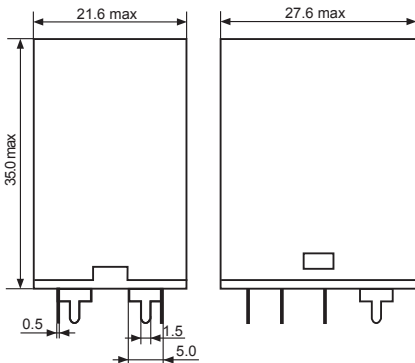
Model	Nominal Voltage VDC	Coil Resistance Ω +/-10%	Operate Voltage \leq VDC	Release Voltage \geq VDC	Coil Power mW
LH-DC5V	5	27.5	4.0	0.5	900
LH-DC6V	6	40	4.8	0.6	
LH-DC12V	12	160	9.6	1.2	
LH-DC24V	24	650	19.2	2.4	
LH-DC48V	48	2600	38.4	4.8	
LH-DC110V	110	11000	88.0	11.0	1100

Model	Nominal Voltage VAC	Coil Resistance Ω +/-10%	Operate Voltage \leq VAC	Release Voltage \geq VAC	Coil Power mVA
LH-AC6V	6	11.5	4.8	1.8	1200
LH-AC12V	12	46	9.6	3.6	
LH-AC24V	24	184	19.2	7.2	
LH-AC48V	48	735	38.4	14.4	
LH-AC110/120V	110/120	4550	88	36	
LH-AC220V/240V	220/240	14400	176	66	

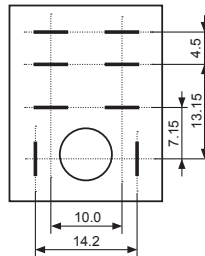
OUTLINE, WIRING DIAGRAM, MOUNTING HOLE LAYOUT (UNIT: mm)

1 Form - PCB Terminal

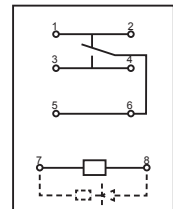
Outline



Mounting Hole Layout (Bottom View)



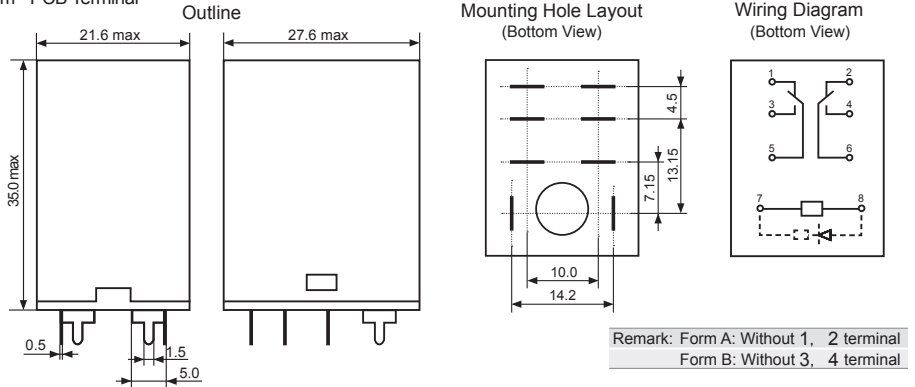
Wiring Diagram (Bottom View)



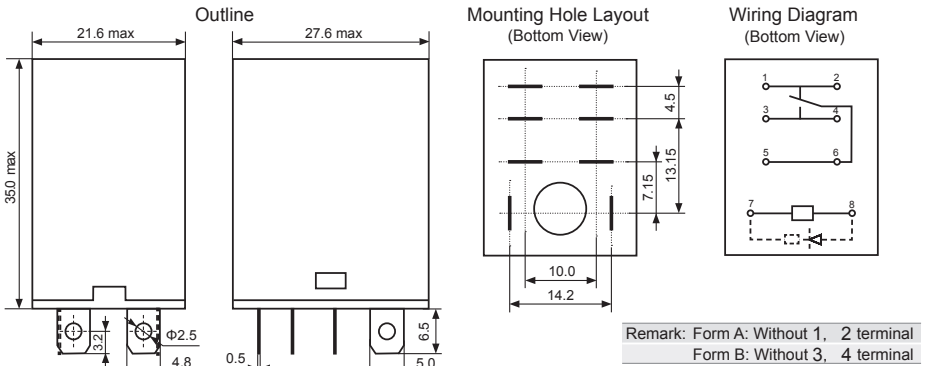
Remark: Form A: Without 1, 2 terminal
Form B: Without 3, 4 terminal

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

2 Form - PCB Terminal



1 Form - Quick Connect Terminal



2 Form - Quick Connect Terminal

