

Please note that please be sure to understand the precautions before ordering.



Characteristics

- The 4-way normally open relay module with a width of only 43mm is suitable for compact installations
- Single contact load capacity: 5A 250VAC/30VDC
- 0.2-1.5mm2/24-16AWG wide range wiring capacity
- Relays with sockets allow for quick replacement and easy maintenance
- Short tabs make it easy to wiring the common positive electrode or the common negative electrode
- DIN 35 standard rail mounting

Order specifications

Order number	RY1H4-1174P/DC24
Packing Units	10 pcs
Minimum order quantity	10 pcs
Unit weight (without relay)	about 62 g
Unit weight (including relay)	about 82 g
Origin	WZ

Example of an order mark

- ① RY: Corporate Code
- ② Output channel type 1H: A set of normally open
- 3 The number of control channels is 4:4 channels
- 4 1174P = Omron Relay G6B-1174P
- ⑤ Coil voltage: refer to the coil electrical parameter table
- ® Customer Code: Any letter or combination of letters

O Note:

- 1. When ordering, refer to the coil specification table for relay voltage selection;
- 2. The special requirements of customers will be identified in the form of characteristic numbers after being reviewed by our technical department.



Inputs

-	
Rated voltage	24VDC
Single-channel operating power consumption	<250mW
Wiring polarity requirements	Yes (please note the wiring sequence)
Wiring	Fence type screw terminals
Controls the number of channels	4

Output

Relay model	OMRON G6B-1174P (see Annex 1)
Contact type	1NO
Rated voltage	250VAC/30VDC
Current rating	5A/way
Wiring	Fence type screw terminals
Minimum Load(1)	32mW
Maximum switching frequency	30 times/min (@1A-5A)
	60 times/min (@0.5A-1A)
	300 times/min (@ < 0.5A)

Other parameters

Operating temperature	-40°C~80°C	
Storage temperature	-40°C~80°C	
Vibration	10~55~10Hz Single amplitude 0.75mm (double a	mplitude 1.5mm)
	10~55~10Hz Single amplitude 0.75mm (double a	mplitude 1.5mm)
Impact	1000m/s²	
Standards Compliance	IEC61984	
Creepage distance	Between output channels	≥1.5mm
	Between the input and output channels	≥3mm
Air gaps	Between output channels	≥1.5mm
	Between the input and output channels	≥3mm
Overvoltage (1.2/50us)	Between output channels	2.5kV
	Between the input and output channels	2.5kV

Installation and maintenance

Installation	DIN35 rail mounting
Relay replacement	Replaceable
Comes with a short splice	Distribution (Part No.: RY1H4-H)

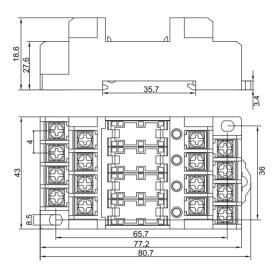
① Note:

1. Under the premise of satisfying the minimum load, the load voltage is $\geq 5V$, and the load current is $\geq 1mA$

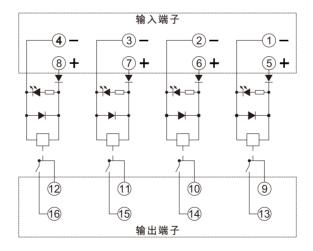


Exterior Dimension Drawing

Unit: mm



Wiring diagram



Wiring Instructions:

- 1. Input: 1, 2, 3, 4 are the negative terminal points of each input; 5, 6, 7, 8 points are divided into positive terminal points for each input
- 2. Output: 9, 10, 11, 12 are the moving contacts of each output; 13, 14, 15, 16 are the normally open points of each output



Appendix 1: Relay parameter table (Omron G6B-1174P)



Characteristics

- 5A contact switching capability
- Low power consumption (200 mW)
- Available in high capacity and latching types
- Meets the requirements of FCC Part 68
- The hermetically sealed construction allows for automatic soldering and cleaning of printed circuit boards.
- The mechanical life is more than 5 million times
- Equipped with an optional socket

Contact parameters

Contact form	1H
Contact resistance	$30\text{m}\Omega$ max
Contact material	Ag alloy
Contact load	5A 250VAC/30VDC
Maximum switching voltage	250VAC/30VDC
Maximum switching current	5A
Power consumption	200mW
Mechanical durability	More than 5 million times
Electrical durability	Refer to the electrical life diagram
Liboti loai durability	

Performance parameters

Rated coil power	200W
Insulation resistance	1000m $Ω$ or more
The medium is pressure-resistant	3,000 VAC, 50/60 Hz for 1 minute between coil and contact
	1,000 VAC at 50/60Hz for 1 minute between sibling contacts
Flammability category under UI94	V-0



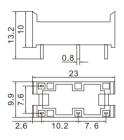
Appendix 2: PCB Solder Foot Holder (G6B-A1)



Characteristics

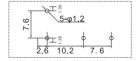
- Phosphor copper contact piece
- PCB soldering use

Exterior Dimension Drawing



PCB cut-out dimension drawing





Appendix 3: Supporting Short Splice (RY1H4-HH)

Exterior Dimension Drawing

