



ISO 9001 ISO14001

Part No.

HRA4

Automotive Relay

Features:

- ⇒ Size :27.9×27.9× 25(mm)
- ⇒ 40A switching capability
- ⇒ Various mounting terminals available
- ⇒ Wash tight and dust protect types available



Ordering Information

HRA4 - S - DC12V - C - D - R
 ① ② ③ ④ ⑤ ⑥

- ⑥ Parallel coil components
 R: With Resistor
 6V-180Ω ,12V-680Ω,24V2700Ω
 D: With Diode
 Nil :Standard

- ① Part No.
- ② S :Plastic sealed Nil:Dust Cover
- ③ Coil Voltage :
 DC 6, 12, 24V
- ④ Contact form:
 A : 1 Form A , C 1 Form C
- ⑤ Version
 Nil : Without Bracket
 D : Plastic bracket
 T : Metal bracket
 P : PCB terminal

Specification:

Contact		Characteristics	
Contact Form	1 Form A , 1 Form C	Insulation resistance	Min 100MΩ(500VDC)
Contact Material	Ag Alloy	Dielectric Strength	Between contact 550VAC 1min Between coil &contact 550VAC 1min
Contact Resistance	100 mΩ(6VDC 1A)	Operate time	≤ 10ms
Contact Rating(Resistance Load)	NO: 40A 14VDC NC: 30A 14VDC	Release time	≤ 10ms
Max Switching Voltage	75VDC	Shock Endurance	100 m/s ²
Max Switching Current	40A	Resistance Damage	1000 m/s ²
Max Switching Power	560W	Vibration Resistance	10-55 HZ 1.5mm DA
Electrical Life	100,000 ops	Humidity	35%-95% RH
Mechanical Life	1,000,000 ops	Ambient Temperature	-40 °C to 85°C
		Weight	Approx. 37.0g

Noted : the data are initial value

Coil Data:

at 23°C

1.6 W/1.8 W(with resistor)

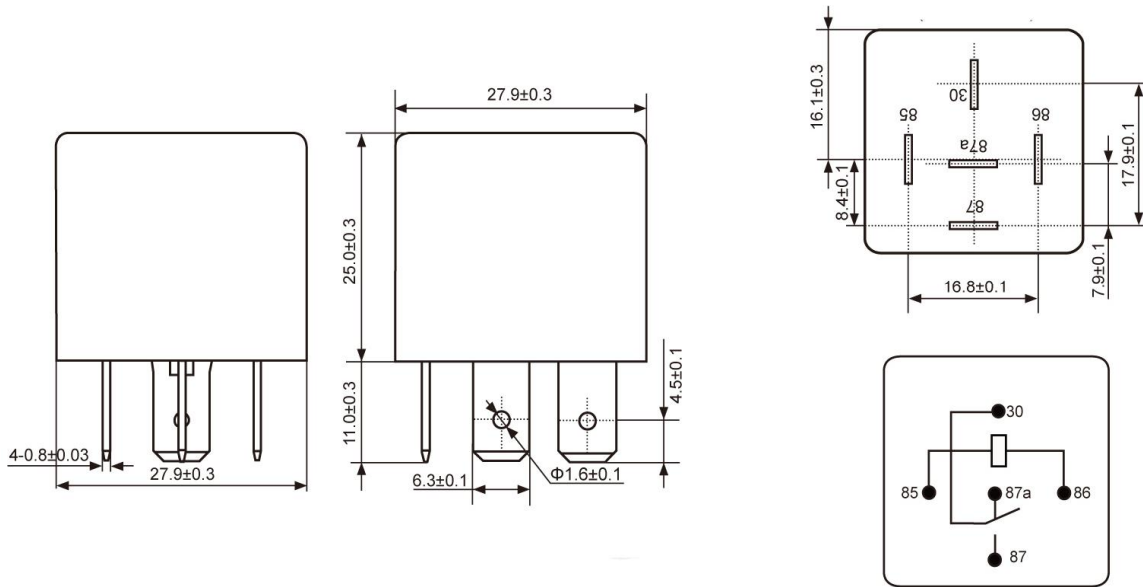
Nominal Voltage VDC	Operate Voltage Max VDC	Release Voltage Min VDC	Max Voltage VDC	Coil Resistance Ω +/- 10%
12	8.40	1.20	20.00	90
24	16.80	2.40	40.00	350

12(R)	8.40	1.20	20.00	90
24(R)	16.80	2.40	40.00	350

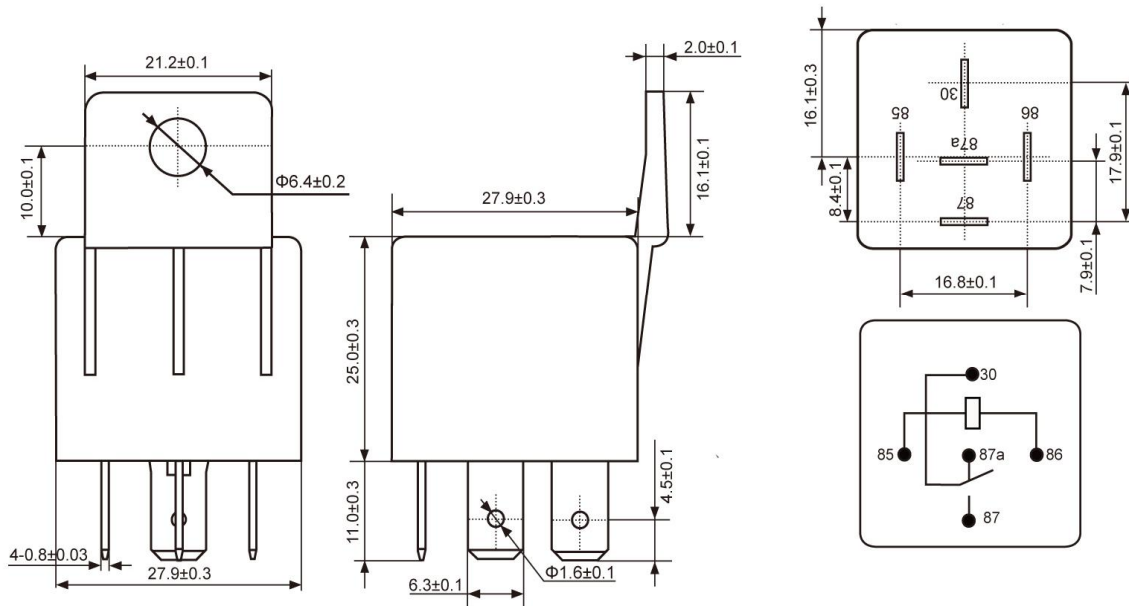
Dimension(mm)

Tolerance ± 0.2

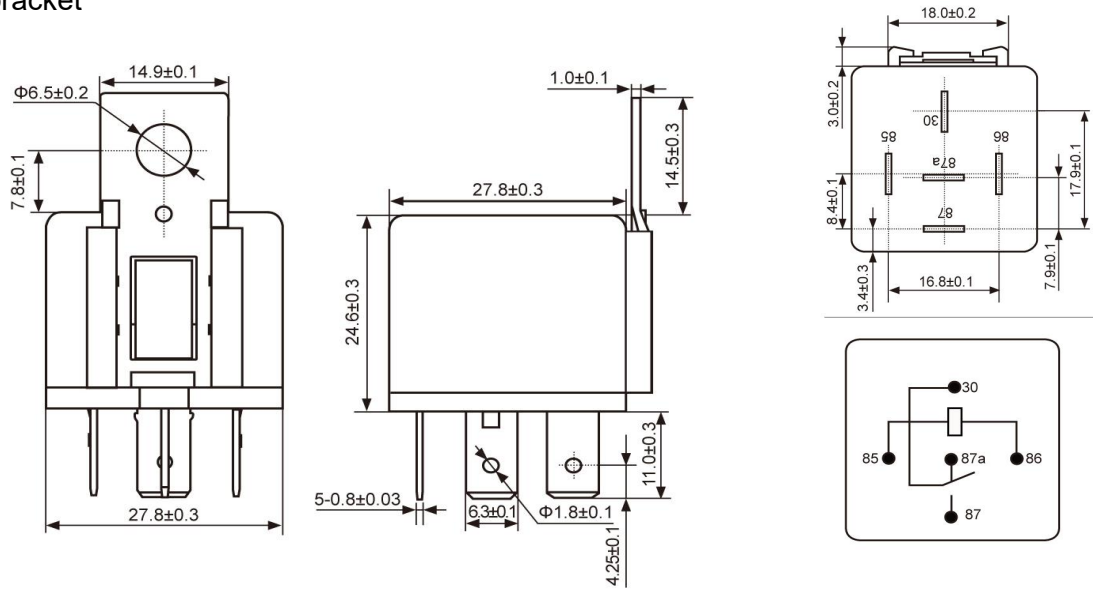
Without bracket



Plastic bracket



Metal bracket



PCB terminal

