



Part No.

HRG90

Industrial Relay

ISO9001 ISO14001

**Features:**

- ⇒ Size :31.8×27.4×20.0(mm)
- ⇒ Max.40A switching capability
- ⇒ Available in both open frame and sealed type
- ⇒ 1 Form A ,1 Form B,1 Form C available



**Ordering Information**

HRG90 - S - DC12V - C - H - X

①            ②            ③            ④            ⑤            ⑥

- ① Part No.
- ② Enclosure :Plastic sealed
- ③ Coil Voltage :  
DC 5 ,6, 9,12, 24V,48V
- ④ Contact form:  
A: 1N/O C: 1C/O B : 1N/C
- ⑤ Special requirement  
H : NO:40A NC :30A  
Nil: NO:30A NC: 20A
- ⑥ Special requirement

**Specification:**

Contact		Characteristics	
Contact Form	1 Form A , 1 Form B , 1 Form C	Insulation resistance	Min 1000MΩ(500VDC)
Contact Material	Ag Alloy	Dielectric Strength	Between contact 1500VAC 1min Between coil &contact 2500VAC 1min
Contact Resistance	100 mΩ(6VDC 1A)	Operate time	≤ 15ms
Contact Rating(Resistance Load)		Release time	≤ 10ms
	C: NO:30A NC : 20A 250VAC 30VDC	Shock Resistance	Endurance 100 m/s <sup>2</sup> Damage 1000 m/s <sup>2</sup>
	CH: NO:40A NC :30A 250VAC 30VDC	Vibration Resistance	10-55 HZ 1.5mm DA
Max Switching Voltage	277VAC/35VDC	Humidity	35%-95% RH
Max Switching Current	40 / 30 A	Ambient Temperature	-40 °C to 85°C
Max Switching Power	7500VA 560W	Weight	Approx. 27.0g
Electrical Life	100,000 ops		
Mechanical Life	1,000,000 ops		

**Noted** :the data are initial value

Coil Data:

at 23°C

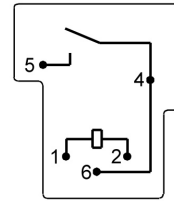
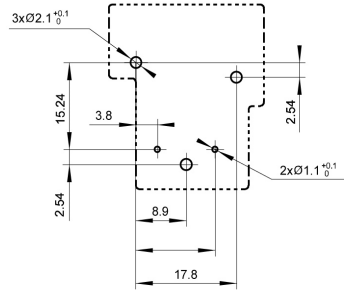
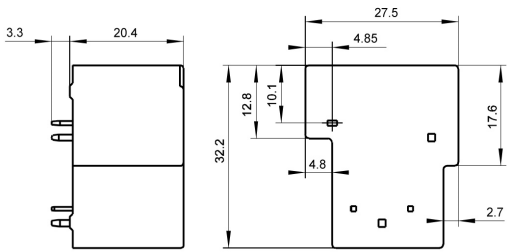
(900mW)

Nominal Voltage VDC	Operate Voltage Max VDC	Release Voltage Min VDC	Max Voltage VDC	Coil Resistance $\Omega$ +/- 10%
5	3.50	0.50	6.50	27
6	4.20	0.60	7.80	40
9	6.30	0.90	11.70	97
12	8.40	1.20	15.60	160
24	16.80	2.40	31.20	660
48	33.60	4.80	62.40	2560

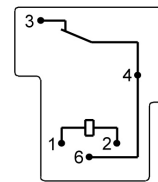
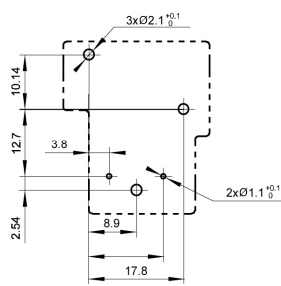
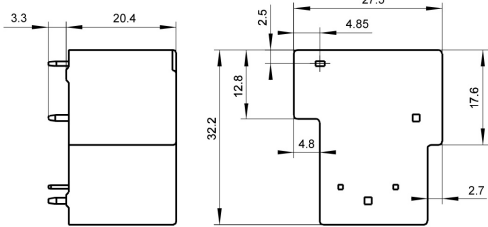
Dimension(mm)

Tolerance  $\pm 0.2$

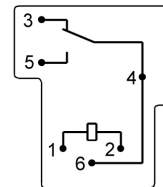
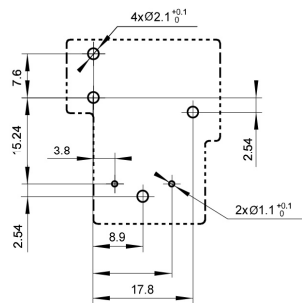
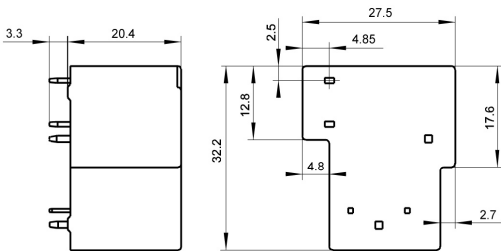
With no. 6 pin (standard)



1 A

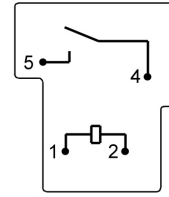
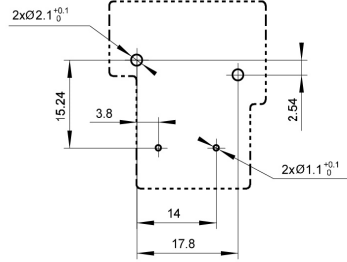
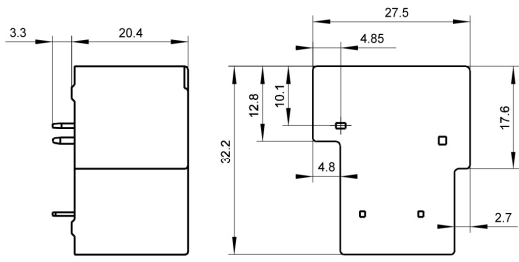


1 B

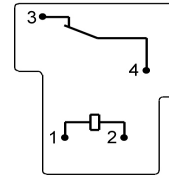
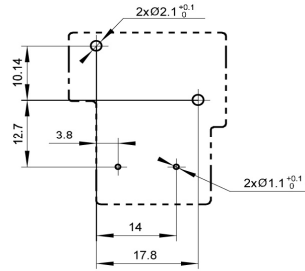
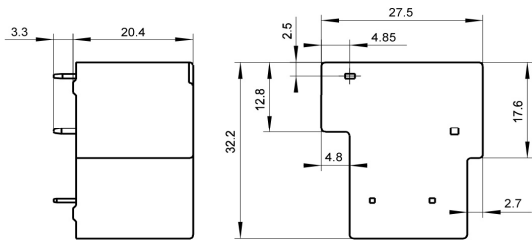


1 C

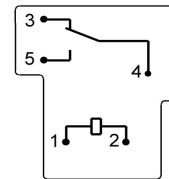
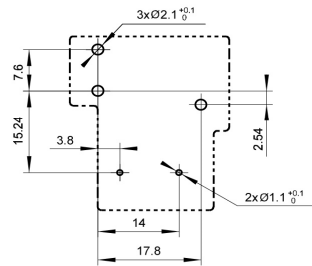
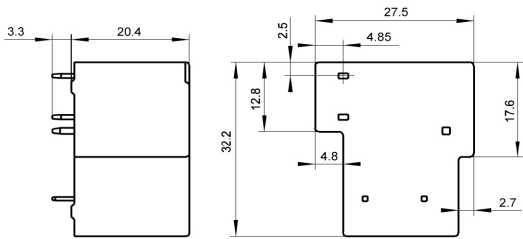
Without no.6 pin



1 A



1 B



1 C