



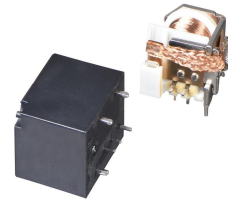
Part No.

HRA3

Automotive Relay

Features:

- ⇒ Size :25.8×20.6× 21.0(mm)
- ⇒ 40A switching capability
- ⇒ Open and sealed frame both available
- ⇒ Numerous contact arrangements



Ordering Information

HRA3 - S - DC12V - C - E
 ① ② ③ ④ ⑤

- ① Part No.
- ② S :Plastic sealed Nil:Open type
- ③ Coil Voltage :
DC 6, 9,12, 24V
- ④ Contact form:
A : 1 Form A , C 1 Form C
- ⑤ Special requirement
E:European footprint
U:US footprint

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	≤ 5ms
Contact Rating(Resistance Load)	C: 30A 14VDC A : 40A 14VDC	Release time	≤ 3ms
Max Switching Voltage	75VDC	Shock Resistance	Endurance 100 m/s ² Damage 1000 m/s ²
Max Switching Current	40A	Vibration Resistance	10-55 HZ 1.5mm DA
Max Switching Power	560W	Humidity	35%-95% RH
Electrical Life	100,000 ops	Ambient Temperature	-40 °C to 85°C
Mechanical Life	1,000,000 ops	Weight	Approx. 15.0g

Noted :the data are initial value

Coil Data: at 23°C

(1.6 W)

Nominal Voltage VDC	Operate Voltage Max VDC	Release Voltage Min VDC	Max Voltage VDC	Coil Resistance Ω +/- 10%
6	3.60	0.60	7.80	22.5
9	5.40	0.90	11.70	51
12	7.20	1.20	15.60	90
24	14.40	2.40	31.20	360

