



- 25A motor lock load.
- Extremely small relay.
- Low pick_up type available.
- Coil wire insulation class H.
- Sealed type is available.

SPECIFICATIONS

Contact

Arrangement	1 Form C	
Contact material	AgSnO ₂ alloy	
Voltage drop(initial)	250mV(10A)	
Max.carrying current	25A 1h(at 20℃)	
Min. carrying current	100mA	
Max.switching voltage	16VDC	
Max. Switching current	30A	
Expected life(min.ope)	Mechanical	1X10 ⁶ Min.
	Electrical (at 20 cpm)	1X10 ⁵ Min.

Characteristics

Operate time	10msec.Max.	
Release time	10msec.Max.	
Operating humidity	45~85%RH	
Initial breakdown voltage	Between contact and coil	500VAC (50/60Hz) for 1 min.
	Between open contacts	500VAC (50/60Hz) for 1 min.
Insulation resistance	100MΩ Min.(500VDC)	
Ambient temperature	-40℃ ~ +120℃	
Temperature rise (Max.)	65K	
Shock resistance	Functional	100m/s ²
	Destructive	1000m/s ²
Vibration	50m/s ² 10~500 Hz	
Unit weight	Approx. 4g/8g	

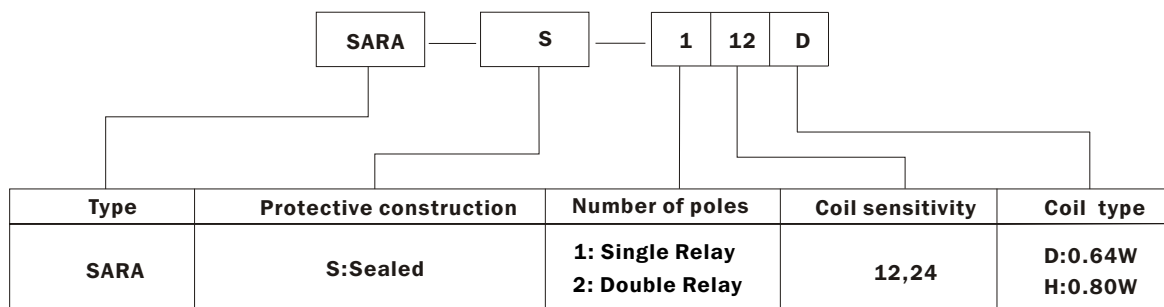
Coil

Nominal operating power	0.64W,0.80W
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TYPICAL APPLICATIONS

- Car control switching box.

ORDERING INFORMATION



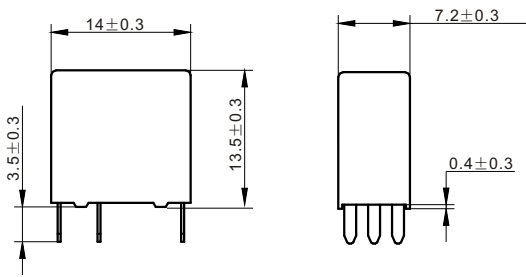
COIL(at 20°C)

SARA

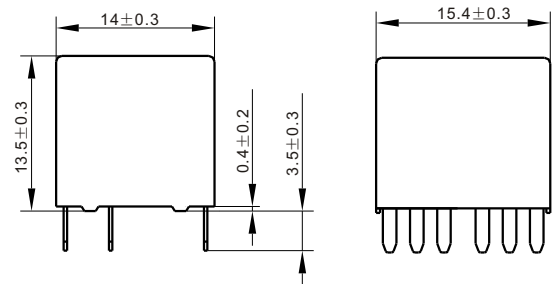
Voltage code	Nominal voltage (VDC)	Coil resistance (Ω , $\pm 10\%$)	Drop-out voltage (VDC)	Pick-up voltage (VDC)	Nominal Operating power (W)	Max Allowable voltage (85°C)
12	12	225	1.0	7.2	Approx.0.64W	16
24	24	900	2.0	14.4		32
12	12	180	1.0	6.5	Approx.0.80W	14
24	24	720	2.0	13.0		28

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT(unit:mm)

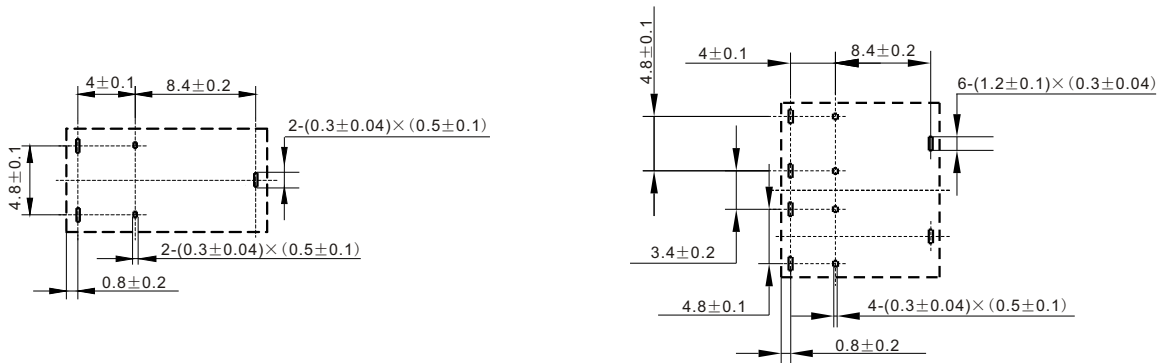
Single version



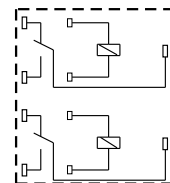
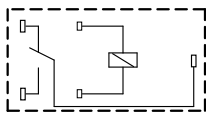
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PCB Layout

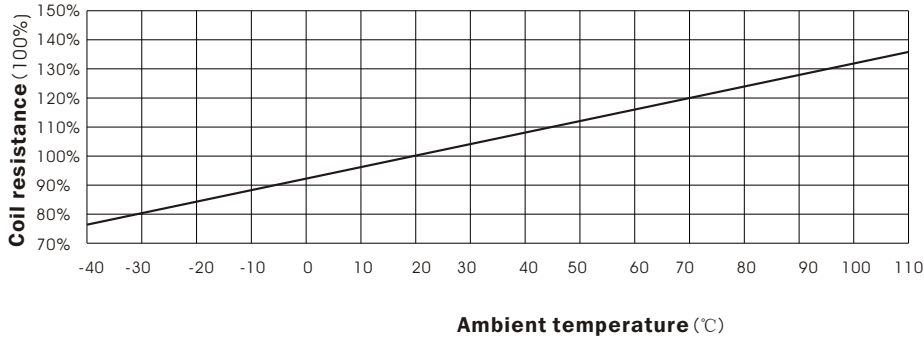


Wiring Diagram

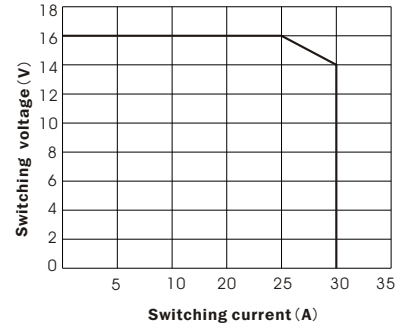


CHARACTERISTICS CURVE

Coil resistance VS Ambient temperature



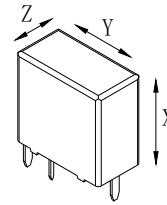
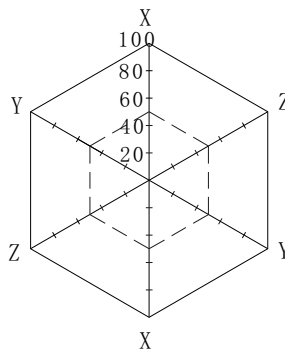
Load limit curve



Vibration resistance characteristics

Unit : m/s²

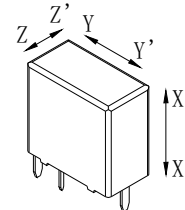
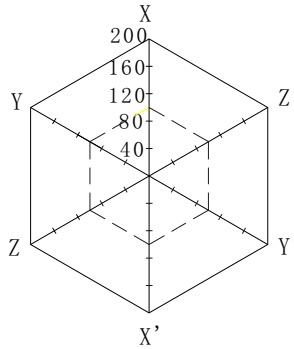
--NO Contact
--NC Contact



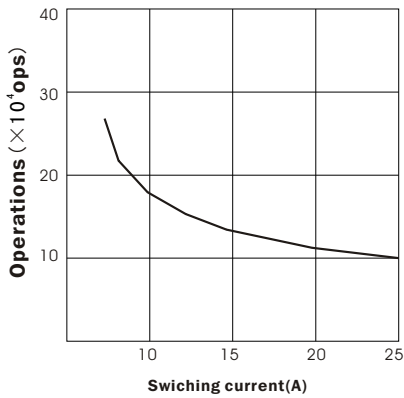
Shock resistance characteristics

Unit : m/s²

--NO Contact
--NC Contact



Electrical curve



Coil temperature curve

