

RA Solar relay



- 30A solar relay
- High capacity, high endurance
- Dielectric strength between coil to contact: 4,000VAC
- Contact GAP: Min.1.5mm

Compliance Certification Number

cUL : E345228

Contact

Contact arrangement 1 form A

Contact material Ag alloy

Contact specification

Contact rating 30A/250VAC
Rated contact current 30A
MAX.contact capacity 7,500VAC
MIN.applicable load DC5V, 100mA

Coil rating

Rated voltage	Rated current	Coil resistance	Operating power
(V)	(mA)	($\Omega \pm 10\%$)	(mW)
8	125.0	64	2,250

Note:

1. 8V relay use on 12VDC.
2. After the energization time of 50ms with 12VDC the coil requires a reduction of the coil voltage to 4.7~6.0VDC.

Performance

Contact resistance MAX.100m Ω (DC6V 1A)

Operate voltage MAX.75%(room temp.)

Release voltage MIN.5%(room temp.)

Operate time MAX.20ms

Release time MAX.10ms

Dielectric strength Between contact 2,500VAC(1min.)

between coil to contact 4,000VAC(1min.)

Surge resistiveness 4,000VAC(1.2/50 μ s)

Insulation resistance 1,000M Ω (500VDC)

Temperature rise Coil MAX.35K

Contact MAX.40K

Vibration Error operation 10~55Hz(Double amplitude 1.5mm)

Endurance 10~55Hz(Double amplitude 1.5mm)

Shock Error operation 98m/s²

Endurance 980m/s²

Life Electrical 30A/250VAC, T85, 100,000ops.

Mechanical 1,000,000ops

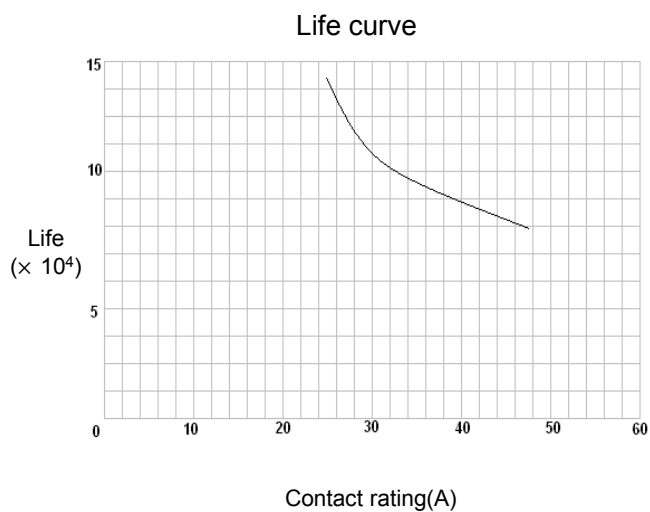
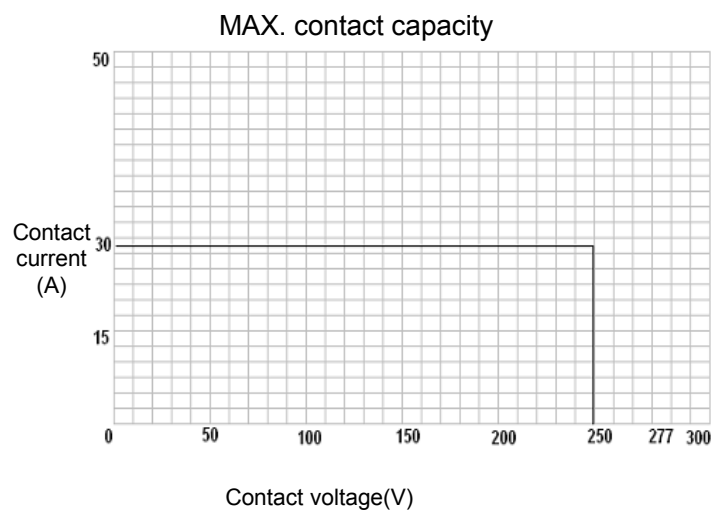
Operating temperature -40~85

Operating humidity 20~85%

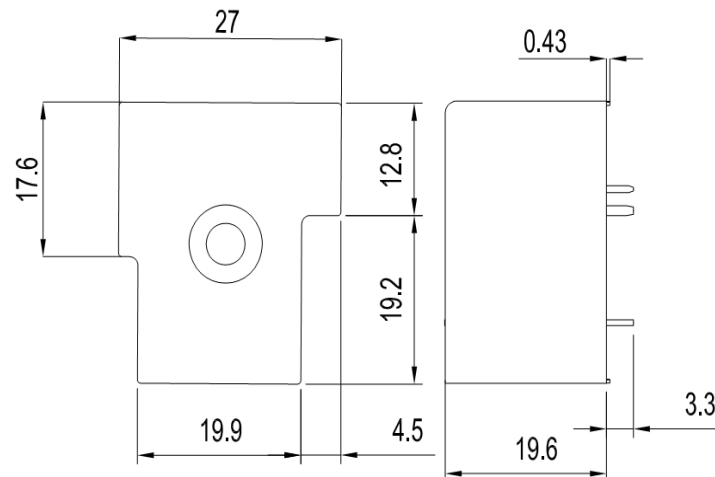
Product code structure

	RA1	-1	08	D	M	*	F	-G
Type								
RA1-A type case have PCB terminal								
Number of poles								
1:1 pole								
Coil voltage								
08:12V								
Coil power								
D:1,400mW								
Contact arrangement								
M: 1Form A								
Contact material								
Blank: AgSnO ₂ 、other number: other material								
Bobbin Material								
Blank:Class A Bobbin				F:Class F Bobbin				
Special request								
G:1.5mm GAP								

Reference data



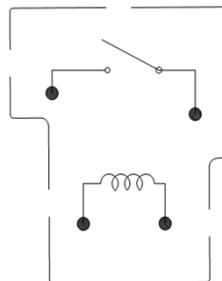
Outline dimension



Tolerance

< 1mm	±0.2mm
1 ~ 5mm	±0.3mm
> 5mm	±0.4mm

Terminal assignment



PC board layout

