

## Main Feature

1. The employment of suitable plastic and metal material is applied suitable to high temperature and various chemical solution.
2. Complete protective construction is designed from dust and soldering flux. Flow solder type is available for dust and soldering flux prevention. Plastic sealed type is also available for simple washing procedure.
3. The employment of suitable metal material and design is suitable for DC application.

## Application

Air conditioner, security equipment, power windows

## Contact Rating

- Nominal Load (Resistive Load  $\cos \varphi = 1$ )  
Contact Capacity ..... 15A at 15VDC.  
Rated Carrying Current ..... 15A.  
Max. Allowable Current ..... 15A.  
Max. Allowable Voltage ..... DC 30V.  
Max. Allowable Power Force. 300W.  
Min. Switching Load ..... DC 10V, 10mA.
- Contact Material ..... Ag Alloy.
- Contact Form ..... SPST & SPDT.

## Performance (at Initial Value)

- Contact Resistance ..... 100m $\Omega$  Max. @1A, 6VDC
- Operate Time ..... 10 mSec. Max.
- Release Time ..... 5 mSec. Max.
- Dielectric Strength :  
Between Coil & Contact ..... 1,000VAC at 50/60 Hz  
for one minute.  
Between Contacts ..... 500VAC at 50/60 Hz  
for one minute.
- Surge Resistance ..... 1,000V (between coil  
& contact 1.2x50 $\mu$ Sec.)
- Insulation Resistance ..... 100 Mega  $\Omega$  Min. at  
500VDC.
- Max. On/Off Switching :  
Electrical ..... 30 Ops per Minute.  
Mechanical ..... 300 Ops per Minute.

- Temperature Range ..... -40~85°C
- Humidity Range ..... 45~85% RH.
- Coil Temperature Rise ..... 55°C Max.
- Vibration :  
Endurance ..... 10 to 55 Hz dual  
amplitude width 1.5mm.  
Error Operation ..... 10 to 55 Hz dual  
amplitude width 1.5mm.
- Shock :  
Endurance ..... 1,000 m/S<sup>2</sup> Min.  
Error Operation ..... 100 m/S<sup>2</sup> Min.
- Life Expectancy :  
Mechanical ..... 10<sup>7</sup> Operations at No  
Load condition.  
Electrical ..... 10<sup>5</sup> Operations at Rated  
Resistive Load.
- Weight ..... About 11 g.

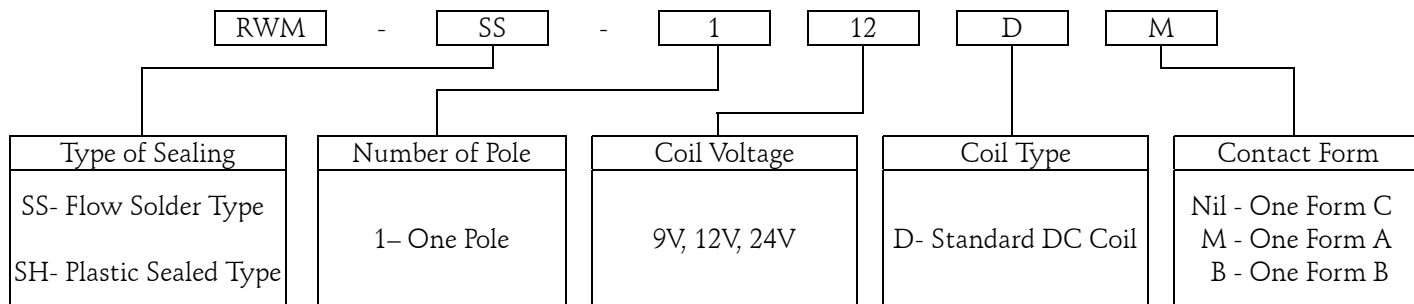
## Safety Standard & Its File Number:

- Nil

## Coil Specification (at 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ( $\Omega \pm 10\%$ )	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
RWM	9	88.9	135	Abt.0.8	80% Maximum	5% Minimum	150%
	12	66.7	180				
	24	33.3	720				

## Ordering Information:



## Dimension:

RWM-SS/SH

