

Contact Rating

- Nominal Load (Resistive Load $\cos \phi = 1$)
Contact Capacity: RW 12A at 120VAC.(UL)
10A at 120VAC.
10A at 24VDC.
RWH 12A at 250VAC.(UL)
10A at 277VAC(TUV)
15A/120VAC
Turgsten(1800W)
TV-5 at 120VDC.
15A at 24VDC.
Rated Carrying Current RW: 10A & RWH: 15A.
Max. Allowable Current RW: 10A & RWH: 15A.
Max. Allowable Voltage AC 240V, DC 110V.
Max. Allowable Power ForceRW: 1500 VA, 240W.
RWH: 1800VA, 360W.
Min. Switching Load RW: DC 5V, 10mA.
RWH: DC5V, 15mA.
- Contact Material RW: Ag Alloy.
RWH: Ag Alloy
- Contact Form..... SPST & SPDT.

Performance (at Initial Value)

- Contact Resistance 100m Ω 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 3,000V (between Coil
& Contact 1.2x50 μ Sec.)
- Insulation Resistance 100 Mega Ω Min. at
500VDC.

Main Feature

1. RW Series Relay covers switching capacity by 10A in spite of miniature size to comply with user's wide selection.
2. RWH is approved C-UL & TÜV safety standard.
3. The employment of suitable plastic materials is applied under high temperature condition and various chemical solutions.
4. Complete protective construction is designed for dust and soldering flux. If required, plastic sealed type is available for washing procedure.
5. 12A at 120VAC for RW & 12A at 240VAC for RWH are UL approved.

Application

Domestic Appliances, Office Machines, Audio Equipment, Coffee-Pots, Control units, etc.

- Max. On/Off Switching :
Electrical30 Ops per Minute.
Mechanical300 Ops per Minute.
- Temperature Range-30~55°C
- Humidity Range45~85% RH.
- Coil Temperature Rise35°C Max.
- Vibration :
Endurance.....10 to 55 Hz dual
amplitude width 1.5mm.
Error Operation10 to 55 Hz dual
amplitude width 1.5mm.
- Shock :
Endurance1,000 m/S² Min.
Error Operation100 m/S² Min.
- Life Expectancy :
Mechanical10⁷ Operations at No
Load condition.
Electrical10⁵ Operations at
Rated Resistive Load.
- Weight.....About 9 g.

Safety Standard & Its File Number

- RW:
ULE141060
CSALR76598
- RWH:
C-UL.....E141060
TÜVR9854380

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)
RW/RWH	3	120	25	Abt. 0.36	75% Maximum	5% Minimum	130%
	5	73	70				
	6	60	100				
	9	40	225				
	12	30	400				
	18	20	900				
	24	15	1,600	Abt. 0.45	80% Max.		
	48	7.5	6,400				

Ordering Information

RW - SS - 1 12 D M

Contact Form:

Nil: One Form C

M: One Form A

B: One Form B

D: Standard DC Coil

Coil Type:

Coil Voltage:

03: 3V, 05: 5V, 06: 6V, 09: 9V, 12: 12V

18: 18V, 24: 24V, 48: 48V

Number of Pole:

1: One Pole

Type of Sealing:

SS: Flow Solder Type

SH: Plastic Sealed Type

Type:

RW

RWH

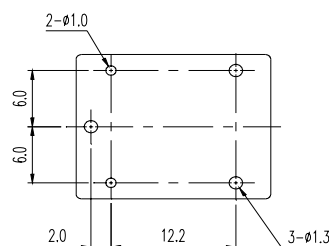
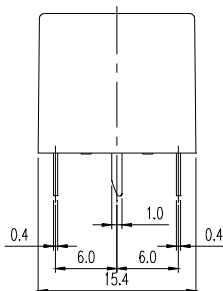
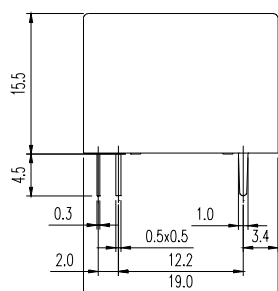
Classification

Model	RW / RWH		
Contact Form	1C	1A	1B
Flow Solder Type	RW / RWH - SS-1□□D	RW / RWH - SS-1□□DM	RW / RWH - SS-1□□DB
Plastic Sealed Type	RW / RWH - SH-1□□D	RW / RWH - SH-1□□DM	RW / RWH - SH-1□□DB

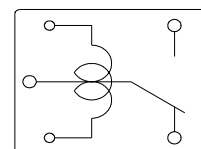
Dimension

RW-SS/SH

RWH-SS/SH



BOTTOM VIEW



BOTTOM VIEW

Reference Data

