RW/RWH

Main Feature

1. RW Series Relay covers switching capacity by 10A is 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 from 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.

Contact Rating

Load Type	RW(DM/DB)	RW(D)	RWH(DM/DB)	RWH(D)
Rated Load (Resistive)	12A 120VAC(U.L)	12A 120VAC(U.L)	12A 250 VAC(U.L)	12A 250 VAC(U.L)
	10A 120VAC	10A 120VAC	10A 277VAC(TUV)	10A 277VAC(TUV)
	10A 24VDC	10A 24VDC	15A 120VAC	15A 120VAC
	-	-	15A 24VDC	15A 24VDC
Contact capacity	12A 120VAC(U.L)	12A 120VAC(U.L)	TV-5 120VAC (N/O)	TV-5 120VAC(N/O)
	10A 120VAC	10A 120VAC	Tungsten (1800W)	Tungsten (1800W)
	10A 24VDC	10A 24VDC	Tungsten (1800W)	Tungsten (1800W)
Rated Carrying Current	10A	10A	15A	15A
Max. Allowable Voltage	AC 240V,DC 110V	AC 240V,DC 110V	AC 240V,DC 110V	AC 240V,DC 110V
Max. Allowable Current	10A	10A	15A	15A
Max. Allowable Power Force	1500VA, 240W	1500VA, 240W	1800VA, 360W	1800VA, 360W
Contact Material	Ag Alloy	Ag Alloy	Ag Alloy	Ag Alloy
Contact Form	SPST	SPDT	SPST	SPDT

Application

Domestic Appliances, Office Machines, Audio Equipment, Coffeepot, Control units, etc.

Performance (at Initial Value)

- Contact Resistance ..... 100mΩ Max.@1A, 6VDC
- Operate Time..... 10mSec. 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 Strength ..... 3,000V (between Coil & Contact 1.2x50μSec.)
- Insulation Resistance ..... 100 MegaΩ Min. at 500VDC.
- Max. On/Off Switching :
  Electrical..... 6 Cycles per Minute.
  Mechanical ..... 300 Cycles per Minute.
- Temperature Range..... -30～85°C
- Humidity Range..... 45～85% RH.
- Coil Temperature Rise..... 35°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^2.
  Error Operation..... 100 m/S^2.
- Life Expectancy :
  Mechanical ..... 10^7 Operations at No Load condition.
  Electrical..... 10^5 Operations at Rated Resistive Load.
- Weight ..... About 9 g.

Safety Standard & Its File Number

- RW:
  UL..... E141060
  CSA..... LR76598
- RWH:
  C-UL E141060
  TÜV R9854380
  CQC……..... 07001018731

Coil Specification (at 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω±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	71.4	70				
	6	60	100				
	9	40	225				
	12	30	400				
	18	20	900				
	24	15	1,600				
	48	7.5	6,400	Abt. 0.45	80% Max.		

Ordering Information

RW - SS - 1 12 D M

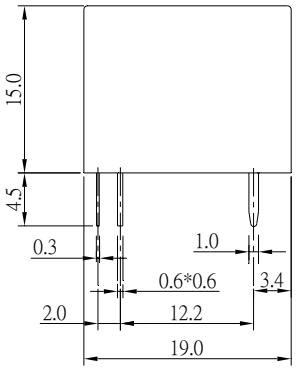
Contact Form:	**Nil**: One Form C **M**: One Form A **B**: One Form B
Coil Type:	**D**: Standard DC Coil
Coil Voltage:	**03**: 3V, **05**: 5V, **06**: 6V, **09**: 9V, **12**: 12V **18**: 18V, **24**: 24V, **48**: 48V
Number of Pole:	**1**: One Pole
Type of Sealing:	**SS**: RT Ⅱ flux proofed relays **SH**: RT Ⅲ wash tight relays
Type:	**RW** **RWH**

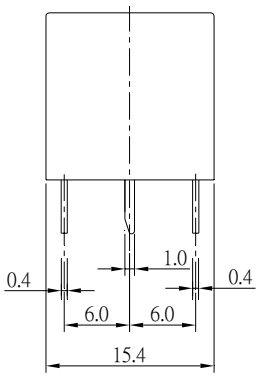
Classification

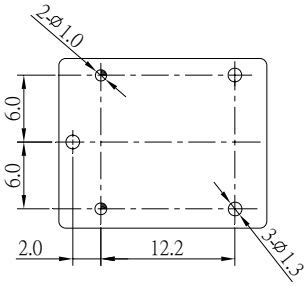
Model	RW / RWH		
Contact Form	1C	1A	1B
Flux Proofed Relay	RW / RWH -SS-1□□D	RW / RWH - SS-1□□DM	RW / RWH -SS-1□□DB
Wash Tight Relay	RW / RWH-SH-1□□D	RW / RWH - SH-1□□DM	RW / RWH -SH-1□□DB

Dimension (≦ 5mm± 0.2mm, > 5mm ± 0.3mm, the tolerance of PCB thru hole: +0.1mm)

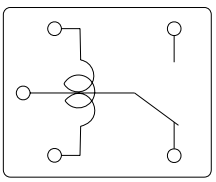
RW(H)-SS/SH







P.C.B. Layout



Bottom View

Reference Data