







CONTACT RATING

MAIN FEATURE

- 1. High switching current up to 15A in small size.
- 2. Sugar-Cube relay suitable for various applications.
- 3. UL, C-UL & TÜV safety standard approved.
- 4. UL Class F insulation available.
- 5. Highly adapt to harsh conditions with high temperature and vibration.
- 6. Halogen Free series available.
- 7. Comply with RoHS and REACH regulations.
- 8. In accordance with IEC 60335-1 Glow Wire requirements for home appliances.

Load Type	RW (DM/DB)	RW (D)	RWH (DM/DB)	RWH (D)
	12A 120VAC(UL)	12A 120VAC(UL)	12A 250VAC(UL)	12A 250VAC(UL)
Rated Load (Resistive)	10A 120VAC	10A 120VAC	10A 277VAC(TUV)	10A 277VAC(TUV)
	10A 24VDC	10A 24VDC	15A 120VAC	15A 120VAC
	-	-	15A 24VDC	15A 24VDC
Contact consoity	-	-	TV-5 120VAC (N/O)*	TV-5 120VAC(N/O)*
Contact capacity	-	-	Tungsten (1800W)*	Tungsten (1800W)*
Rated Carrying Current	12A	12A	15A	15A
Max. Allowable Voltage	AC 240V	AC 240V	AC 240V	AC 240V
wax. Allowable voltage	DC 110V	DC 110V	DC 110V	DC 110V
Max. Allowable Current	12A	12A	15A	15A
Max. Allowable Power Force	1440VA	1440VA	3000VA	3000VA
Max. Allowable Fower Force	240W	240W	360W	360W
Contact Material	Ag Alloy	Ag Alloy	Ag Alloy	Ag Alloy
Contact Form	SPST	SPDT	SPST	SPDT

*Contact Material: AgCdO only

APPLICATION

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

PERFORMANCE (AT INITIAL VALUE)

■ Contact Resis	stance	100mΩ Ma	x.@1A,6VDC
■ Operate Time		10mSec. N	lax.
■ Release Time		5 mSec. M	1ax.
■ Dielectric Stre	ength:		
Between Coil	& Contact	1,000VAC	at 50/60 Hz
		for one min	ute
Between Con	tacts	500VAC at	50/60 Hz
		for one min	ute
■ Surge Streng	th	3,000V (be	tween Coil
		& Contact	1.2x50μSec.)
■ Insulation Res	sistance	100 MegaΩ	2 Min. at
		500VDC	
■ Max. On/Off S	Switching:		

Electrical6 Cycles per Minute Mechanical......300 Cycles per Minute

■ Temperature Range30~+85°C
■ Humidity Range 45~85% RH.
■ Coil Temperature Rise 35°C Max.
■ Vibration:
Destruction
Malfunction
■ Shock:
Destruction1,000 m/S ²
Malfunction100 m/S ²
■ Life Expectancy:
Mechanical 10 ⁷ Operations at No Load condition
Electrical10 ⁵ Operations at Rated Resistive Load
■ Weight About 9 g

SAFETY STANDARD & FILE NUMBER

■ UL & C-UL	E141060
■ TÜV	R09854380
■ CQC	

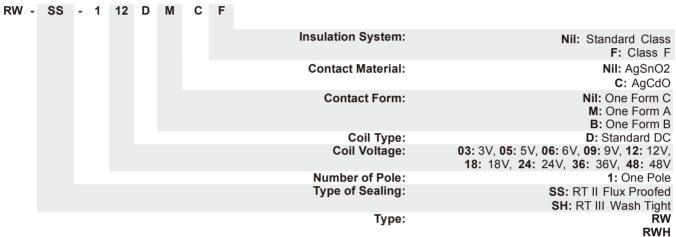




COIL SPECIFICATION (AT 20°C)

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)
	3	120	25				
	5	71.4	70				
	6	60	100				
	9	40	225	Abt 0.26	75%	5%	1200/
RW/RWH	12	30	400	Abt. 0.36	Maximum	Minimum	130%
	18	20	900				
	24	15	1,600				
	36	10	3,600				
	48	7.5	6,400				

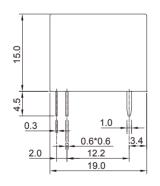
ORDERING INFORMATION

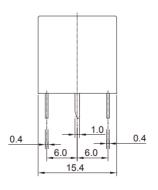


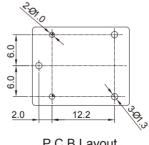
CLASSIFICATION

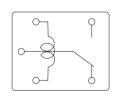
Model	RW / RWH			
Contact Form	1C	1A	1B	
Flux Proofed	RW / RWH -SS-1□□D	RW / RWH - SS-1□□DM	RW / RWH -SS-1□□DB	
Wash Tight	RW / RWH-SH-1 D	RW / RWH - SH-1 DM	RW / RWH -SH-1□□DB	

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





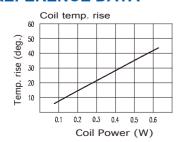


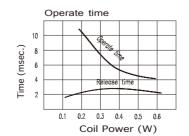


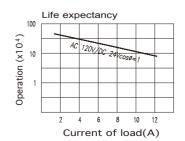
P.C.B Layout **Bottom View**

Bottom View

REFERENCE DATA







V.01EZ