



UL,C-UL File No.:E179745
TUV File No.:R2024454
CQC File No.:CQC02001002126

- Ultra-miniature size with universal terminal footprint
- High contact capacity : 12A
- Sealed types available
- Low coil power consumption

SPECIFICATIONS

Contact

Arrangement	1a,1b,1c	
Contact material	Silver alloy	
Contact resistance (By voltage drop 1A 6VDC)	50mΩ Max.	
UL/C-UL rating		
Resistance load (cos φ =1)	1a:	15A 125VAC 10A 250VAC
	1c:	12A 125VAC 10A 28VDC 7A 250VAC 10A 28VDC
Inductance load (cos φ =0.75~0.8)	1a:	7A 250VAC
	1c:	3A 125VAC
CQC rating	7A	250VAC
TUV rating	7A	250VAC 7A 28VDC
Max.switching voltage	250VAC	28VDC
Max.switching current	15A	
Max.switching power	2,500VA	280W
Expected life(min.ope)	Mechanical (at 180 cpm)	1X10 ⁷
	Electrical (at 20 cpm)	1X10 ⁵

Characteristics

Operate time	8 msec.Max.	
Release time	5 msec.Max.	
Operating humidity	45~85%RH	
Initial breakdown voltage	Between contact and coil	1,500VAC (50/60Hz) for 1 min.
	Between open contacts	750VAC (50/60Hz) for 1 min.
Insulation resistance	100MΩ Min.(500VDC)	
Ambient temperature	-40℃ ~ +85℃	
Temperature rise (Max.)	65℃	
Shock resistance	Functional	10G Min.
	Destructive	100G Min.
Vibration resistance	Functional	10 TO 55 Hz at double Amplitude of 1.5mm
	Destructive	10 TO 55 Hz at double Amplitude of 1.5mm
Unit weight	Approx. 9g	

Coil

Nominal operating power	0.36W
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TYPICAL APPLICATIONS

1. Home appliances:Air conditioner,heater,etc.
2. Automotive :Power-windows,car antenna,door-lock.etc.
- 3.Office machines:PPC, facsimile,etc.
- 4.Vending machines.

ORDERING INFORMATION

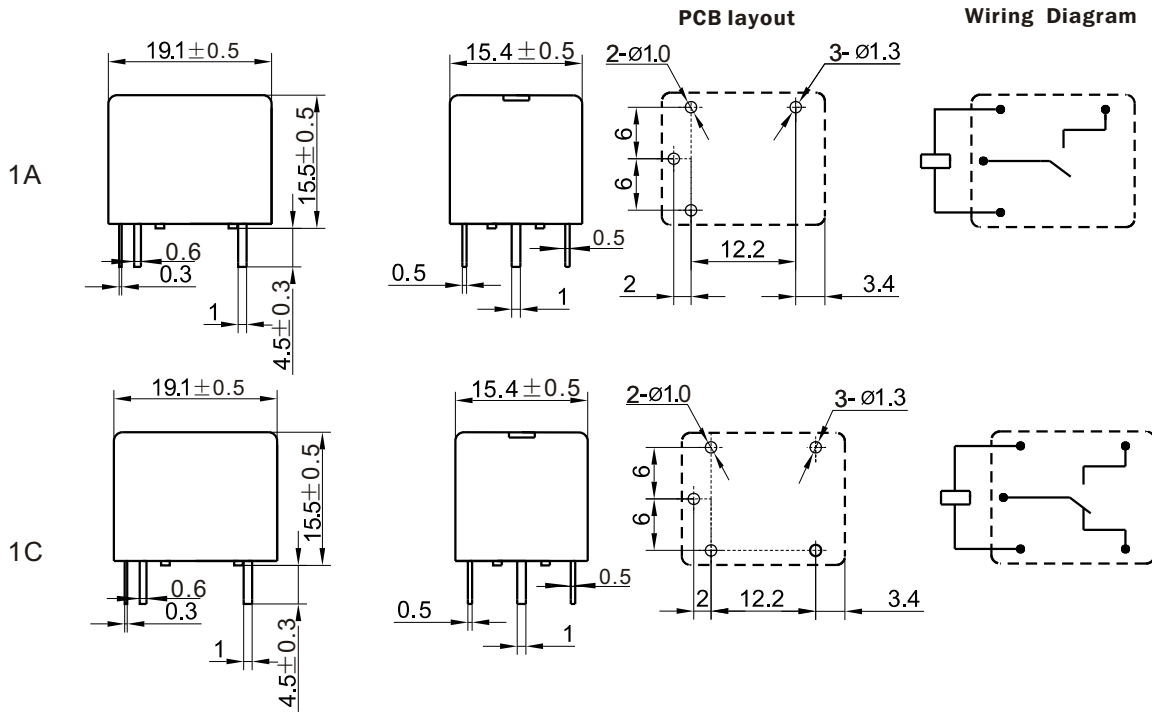
	SRD	S	1	12	D	M
Type	Protective construction	Number of poles	Coil voltage	Coil sensitivity	Contact form	
SRD	NIL:Flux type S:Sealed type	1:1 pole	03,05,06,09, 12,18,24,48	D:0.36W	M:1 Form A B:1 Form B Nil:1 Form C	

COIL(at 20°C)

SRD

Voltage code	Nominal voltage (VDC)	Nominal current (mA)	Coil resistance ($\Omega \pm 10\%$)	Drop-out voltage (VDC)	Pick-up voltage (VDC)	Nominal operating power (W)	Max allowable voltage (VDC)
03	3	120.00	25	5%Min.	75%Max.	0.36	130% of nominal voltage
05	5	71.42	70				
06	6	60.00	100				
09	9	40.00	225				
12	12	30.00	400				
18	18	20.00	900				
24	24	15.00	1,600				
48	48	7.50	6,400				

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT(unit:mm)



CHARACTERISTICS CURVE

