



UL,C-UL File No.:E179745
TUV File No.:R50093821
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)		50m Ω Max.	
UL/C-UL rating Resistance load (cos ϕ =1)		1a: 15A	125VAC
		10A	250VAC
		1c: 12A	125VAC
		10A	28VDC
Motor Load		1/3HP	250VAC
Inductive load (cos ϕ =0.75~0.8)		7A	250VAC
		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		100M Ω Min.(500VDC)
Ambient temperature		-40℃ ~ +85℃
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. 8.5g

Coil

Nominal operating power	0.36W
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TYPICAL APPLICATIONS

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

ORDERING INFORMATION

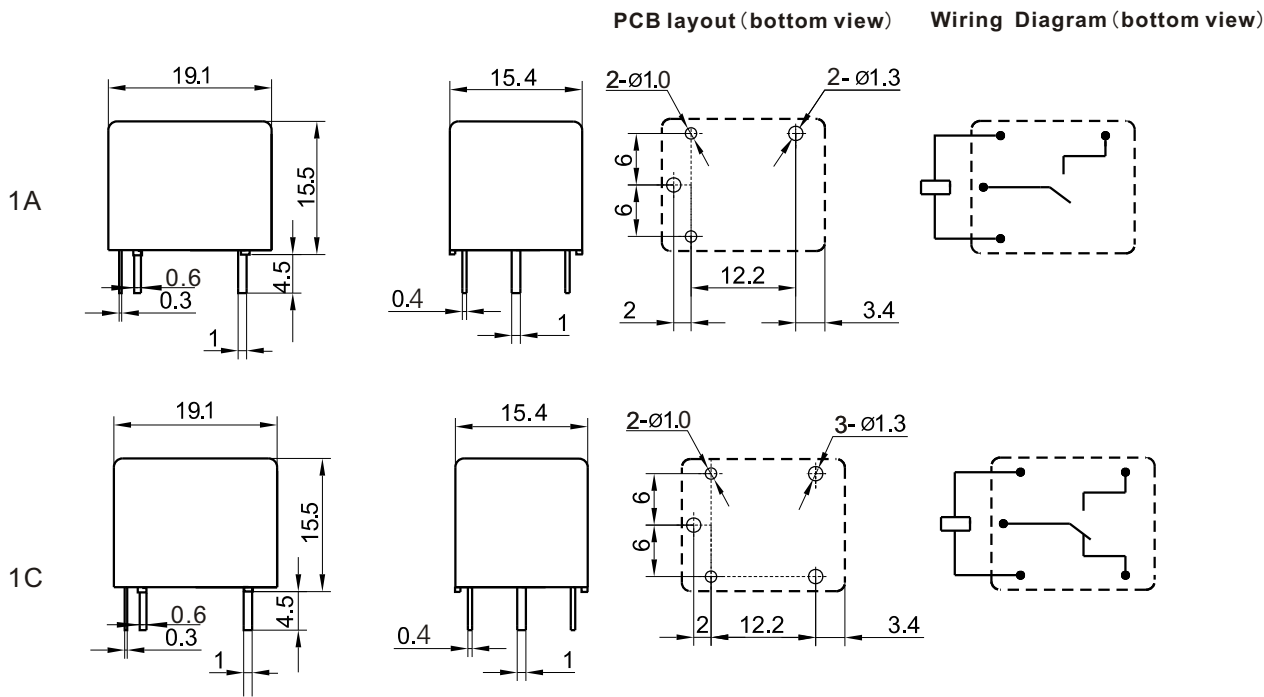
SRD S 1 12 D M F XX							
Type	Protective construction	Number of poles	Coil voltage	Coil sensitivity	Contact form	Insulation System	Special Code
SRD	SH:Sealed type washable S:Sealed type	1:1 pole	03,05,06,09, 12,18,24,48	D:0.36W	M:1 Form A B:1 Form B Nil:1 Form C	B:Class 130 (B) F:Class 155 (F) Blank:Standard Type	Additional numbers or letters, which don't effect construction

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 PC BOARD LAYOUT(unit:mm)



Remark: 1. When the tolerance is not indicated in dimensions,
If the dimension is ≤ 1 mm, the tolerance is ± 0.2 mm;
If the dimension is between 1-5 mm, the tolerance is ± 0.3 mm;
If the dimension is ≥ 5 mm, the tolerance is ± 0.4 mm;
2. The tolerance of mounting holes is ± 0.1 mm .

CHARACTERISTICS CURVE

