



### Features

- High contact capability: 12A switching capability.
- Low coil power consumption, low price.
- Microminiature relay, standard PCB terminal.

### Safety Approval

UL, C-UL File No.: E190598  
TUV File No.: R50142424  
CQC File No.: CQC02001002126

## Contact Capacity

Model	SRD -DM	SRD -D & SRD-DB
Nominal switching capacity (res. load)	10A 250VAC	7A 250VAC
Max. switching current	15A	12A
Max. switching voltage	250VAC	250VAC
Max. switching power	2,500VA	1,750VA

## Charateristic Data

Contact material	Silver alloy	
Initial contact resistance (at 6VDC 1A)	50mΩ Max.	
Operate time (at nominal volt.)	8msec. Max.	
Release time (at nominal volt.)	5msec. Max.	
Initial insulation resistance	100MΩ Min.(DC500V)	
Initial dielectric strength	Between open contacts: AC750V, 50/60Hz 1Min.	
	Between coil and contact: AC1,500V, 50/60Hz 1Min.	
Vibration resistance	Functional	10 ~ 55Hz at double amplitude of 1.5 mm
	Destructive	10 ~ 55Hz at double amplitude of 1.5 mm
Shock resistance	Functional	10G Min.
	Destructive	100G Min.
Endurance (operations)	Mechanical (at 10,800 ops./h)	10,000,000
	Electrical (at 1,800 ops./h)	7A 250VAC: 100,000 10A 250VAC: 50,000
Ambient temperature	-40°C ~ +105°C (no condensation)	
Unit weight	Approx. 8.5 g	

## Coil Data (at 20°C)

Nominal voltage (VDC)	Nominal operating current ± 10% (mA)	Coil resistance ± 10% (Ω)	Max. allowable voltage	Pick-up voltage (Max.)	Drop-out voltage (Min.)	Nominal operating power
3	120.00	25	130 % of nominal voltage	75 % of nominal voltage	5 % of nominal voltage	Approx. 0.36W
5	71.42	70				
6	60.00	100				
9	40.00	225				
12	30.00	400				
15	24.00	625				
18	20.00	900				
24	15.00	1,600				
48	7.50	6,400				
60	6.00	10,000				

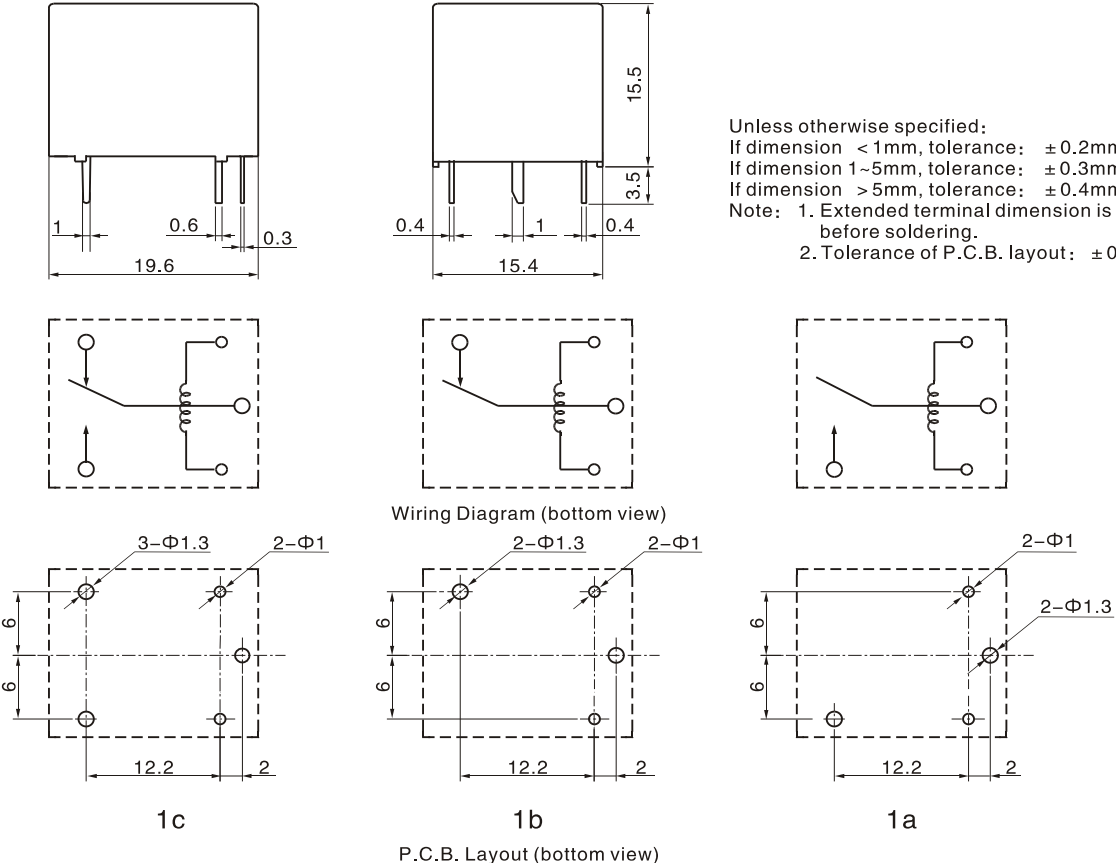
**Safety Approval Ratings**

Approval	CQC	TUV	UL/CUL
File No.	CQC02001002126	R50142424	E190598
Approved ratings	7A 250VAC	7A 250VAC 7A 28VDC 10A 250VAC (Form A)	12A 125VAC, Resistive 15A 125VAC, Resistive (Form A only) 10A 250VAC, Resistive (Form A only) 10A/6A 250VAC, General use, N.O./N.C. 10A/6A 125VAC, General use, N.O./N.C. 10A/6A 28VDC, General use, N.O./N.C. 7A 250VAC, General use 3A 125VAC, General use 1/3HP 250VAC Pilot Duty: 240VA, 240VAC TV-3, 120VAC, N.O.

**Ordering Information**

Nomenclature	
SRD-S-1-12-D-M-1-F-XX	Special Parameter: Nil-Standard type, Letter or number-Special requirement
	Insulation System: Nil-Standard, B-Class B, F-Class F
	Contact Material: Nil-AgSnO <sub>2</sub> , 1-AgCdO
	Contact Form: Nil-Form C, B-Form B, M-Form A
	Coil Power: D-0.36W
	Coil Voltage (VDC): 03, 05, 06, 09, 12, 15, 18, 24, 48, 60
	Number of Poles: 1-1 Pole
	Protective Construction: S-Flux proofed, SH-Sealed type washable
	Type Designation: SRD

**Outline Dimensions, Wiring Diagram, P.C. Board Layout (unit: mm)**



## Typical Applications

- Home appliances such as air conditioner, heater, etc.
- Automat      ● Office equipment such as computer, fax machine, etc.
- Automatic electric controlled window, automotive antenna, door lock, etc.

## Characteristic Curves

