

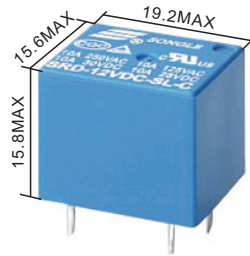
# SRD Series SUBMINATURE HIGH POWER RELAY 7A/10A/15A

CUL US  
E167996

R50056114  
R50137084



CQC08002027667



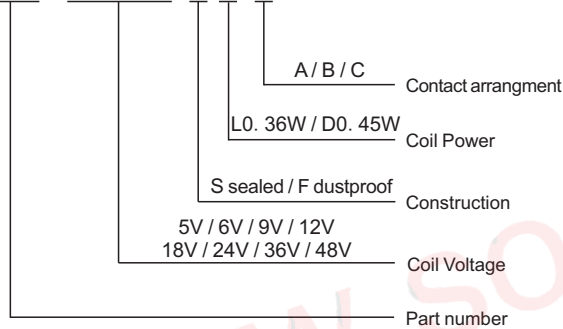
RoHS  
Compliant

## Features

- Miniature volume, PCB usage
- Contact rating: 7A/10A/15A
- Temperature range: +85°C/+105°C

## Ordering Information

### SRD-12VDC-S L-C



## Contact Rating

Contact arrangement	1A(spsno)/1B(Spsnc)/1C(Spdt)
Contact resistance	100mΩ (1A 6VDC)
Contact material	Silver alloy: AgCdO、AgSnO <sub>2</sub> 、AgNi
Contact rating	7A/250VAC 10A/250VAC 15A/250VAC
Max switching voltage	250VAC
Max switching current	15A
Max switching power	3750VA
Electrical endurance (frequency: 1800 ops/h)	1x10 <sup>5</sup> ops / 1x10 <sup>4</sup> ops
Mechanical endurance (frequency: 18000 ops/h)	1x10 <sup>7</sup> ops

## Characteristics

Insulation system	Class B / Class F
Insulation resistance	100MΩ (500VDC)
Dielectric Strength	Between contacts and coil: 1500VAC 1 minute
Leakage current 1mA	Between open contacts: 1000VAC 1 minute
Operate time(Under nominal voltage)	≤10ms
Release time(Under nominal voltage)	≤10ms
Humidity	85% RH (20°C)
Ambient Temperature	-40°C~+85°C/-40°C~+105°C
Shock resistance	Functional: 98m/s <sup>2</sup> Destructive: 980m/s <sup>2</sup>
Vibration resistance (Double amplitude)	10Hz~55Hz 1.5mm
Weight	Approx 9g
Construction	Sealed

Remark: 1) All above data is initial value

## Coil Data

(at 20°C)

Power dissipation W	Voltage VDC	Current mA	Resistance Ω ± 10%	Pick-up voltage	Drop-out voltage	Max allowable
0.36W (L)	05	71.4	70	75%Max	10%Min	130%
	06	60	100			
	09	40	225			
	12	30	400			
	18	20	900			
	24	15	1600			
	36	10	3600			
	48	7.5	6400			
0.45W (D)	05	89.3	55	75%Max	10%Min	130%
	06	75	80			
	09	50	180			
	12	37.5	320			
	18	25	720			
	24	18.7	1280			
	36	12.5	2880			
	48	10	4500			

This product specification only for your reference. we will not notify you if we do any improvement. We reserve all the right for the final explanation



Web: [www.songle.com](http://www.songle.com) [www.songlerelay.com](http://www.songlerelay.com)

Add.: CW7, Zone A, Far East Industrial Park, Yuyao City, Zhejiang, China Zip Code: 315400

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## Safety Approval Ratings

<b>CQC</b> CQC08002027667
7A 250VAC 10A 250VAC

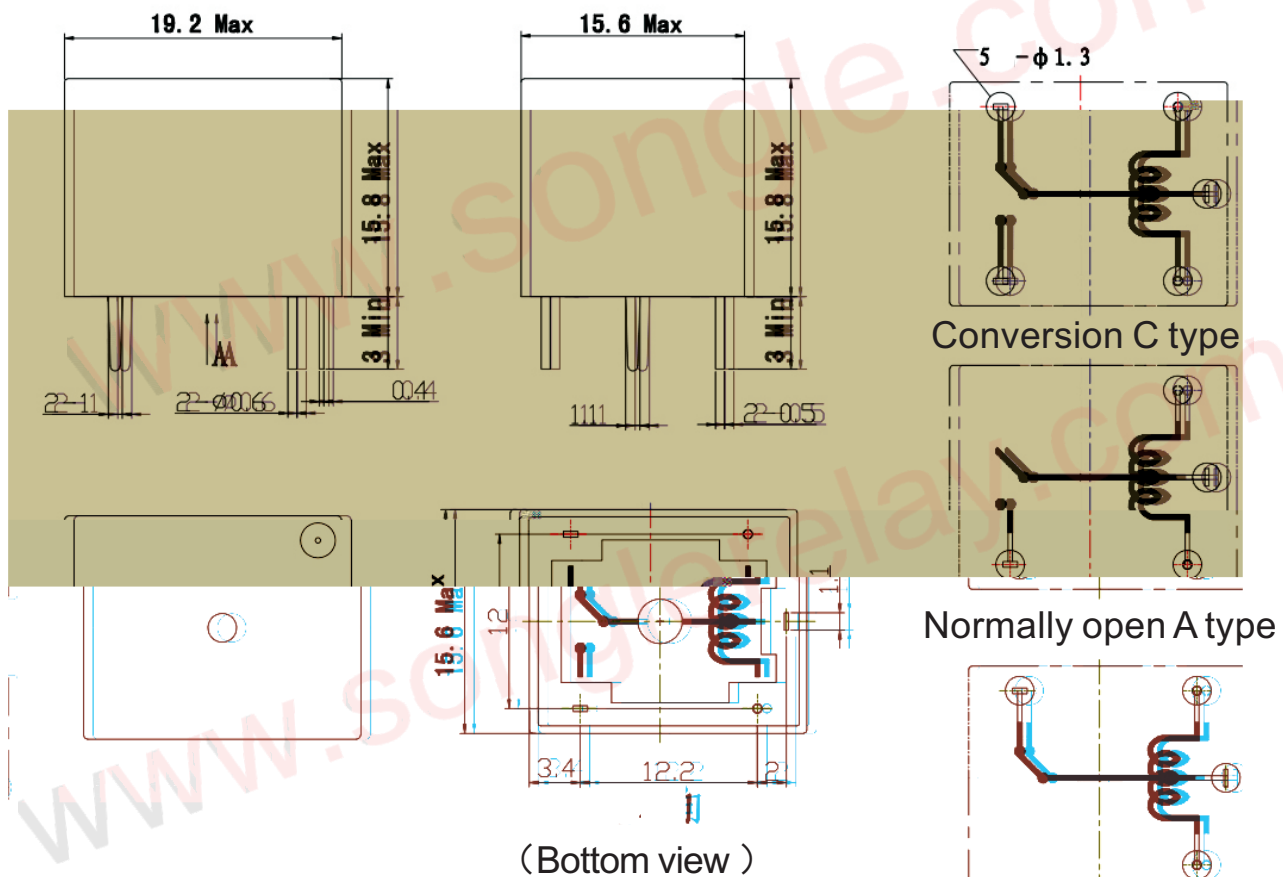
<b>UL</b> R50056114 R50137084
7A 250VAC 10A 250VAC 15A 250VAC NO

<b>UL</b> E167996
3A 125VAC inductive 10A 125VAC 15A 125VAC NO

## OUTLINE DIMENSIONS ,WIRING DIAGRAM AND PC BOARD LAYOUT Unit:mm

Physical installation diagram

PCB board diagram  
(bottom view diagram)



Tolerance:  $\pm 0.1\text{mm}$

Normally closed B type

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