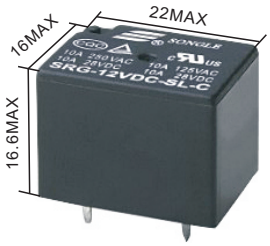
SRG Series SUBMINATURE HIGH POWER RELAY 7A/10A/15A

c US
E167996

R50056114
R50137084

CQC
CQC08002027667



RoHS Compliant

Features

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

Ordering Information

SRG-12VDC-S L-C

- A / B / C — Contact arrangement
- L0.36W / D0.45W — Coil Power
- S sealed / F dustproof — Construction
- 5V / 6V / 9V / 12V 18V / 24V / 36V/48V — Coil Voltage
- Part number

Contact Rating

Contact a rrangment	A / B / C
Contact resistance	100mΩ(1A 6VDC)
Contact material	Silver alloy: AgCdO、AgSnO2、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)	$1x10^5$ ops / $1x10^4$ ops
Mechanical endurance (frequency: 18000 ops/h)	$1x10^7$ ops

Characteristics

Insulation system		B / F
Insulation resistance		100MΩ (500VDC)
Dielectric Strength Leakage current 1mA	Between contacts and coil	1500VAC 1 minute
	Between open contacts	1000VAC 1 minute
Operate time(Under nominal voltage)		≤10ms
Release time(Under nominal voltage)		≤10ms
Humidity		45% ~85% RH（20℃）
Ambient Temperature		-40℃~+85℃/-40℃~+105℃
Shock resistance	Functional	98m/s²
	Destructive	980m/s²
Vibration resistance（Double amplitude）		10Hz~55Hz 1.5mm
Weight		Approx 11g
Construction		Sealed

Remark:1)All above data is initial value

Coil Data （at 20℃）

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

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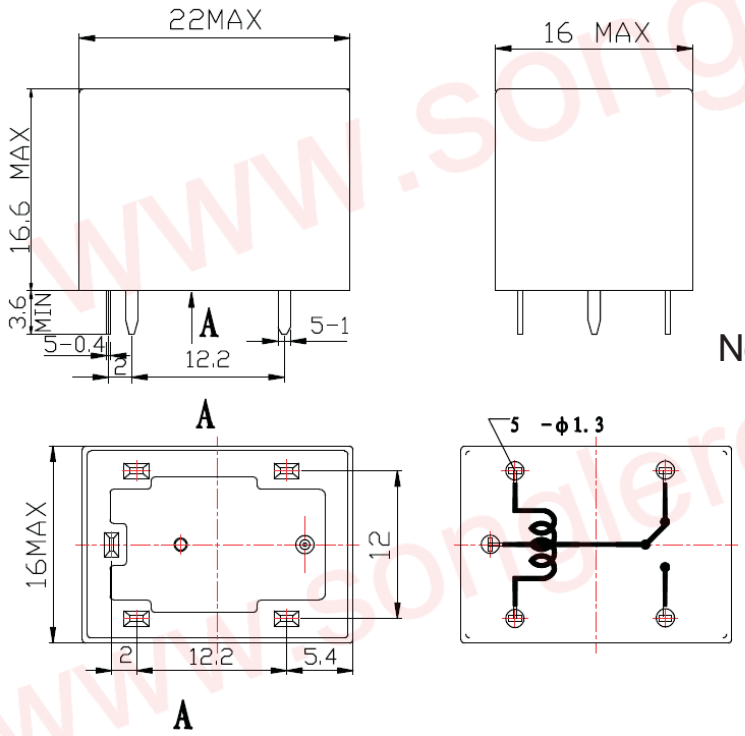
Safety Approval Ratings

CQC CQC08002027667	R50056114 R50137084	c UL us E167996
7A 250VAC 10A 250VAC	7A 250VAC 10A 250VAC 15A 250VAC NO	TV-5 120VAC 10A 240VAC 12A 120VAC

OUTLINE DIMENSIONS ,WIRING DIAGRAM AND PC BOARD LAYOUT

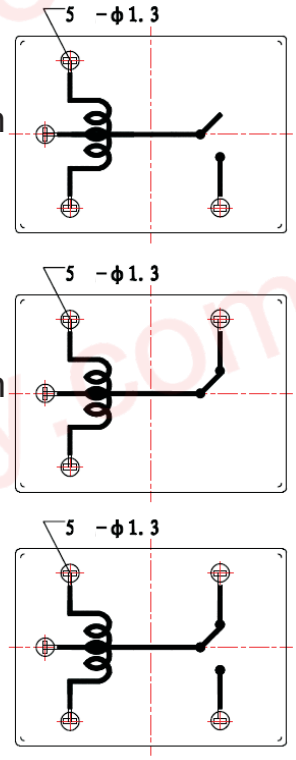
Unit:mm

Physical installation diagram



（Bottom view ）

PCB board diagram
（bottom view diagram）



Conversion
C type

Normally open
A type

Normally closed
B type

Tolerance：±0. 1mm

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