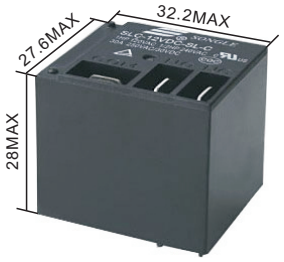
# SLC Series SUBMINATURE HIGH POWER RELAY 16A/20A/30A

E179944

R50056114

CQC08002027666
CQC08002027668




RoHS Compliant

## Features

- Miniature volume, PCB usage
- Contact rating: 16A/20A/30A
- Temperature range: +85℃/+105℃

## Ordering Information

SLC-12VDC-S L-C

- A / B / C — Contact arrangment
- L0.9W — 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 |
| Contact material | Silver alloy: AgCdO、AgSnO2、AgNi |
| Contact rating | 1HP/16A/120VAC 20A/250VAC 30A/250VAC |
| Max switching voltage | 250VAC |
| Max switching current | 30A |
| Max switching power | 7200VA |
| 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 | 2000VAC 1 minute |
| | Between open contacts | 1500VAC 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 34g |
| 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 |
|---|---|---|---|---|---|---|
| 0.9W (L) | 05 | 185 | 27 | 75%Max | 10%Min | 130% |
| | 06 | 150 | 40 | | | |
| | 09 | 100 | 90 | | | |
| | 12 | 75 | 160 | | | |
| | 18 | 50 | 380 | | | |
| | 24 | 37.5 | 640 | | | |
| | 36 | 25 | 1440 | | | |
| | 48 | 18.75 | 2560 | | | |

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


松乐继电器 SONGLE RELAY

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# SLC Series SUBMINATURE HIGH POWER RELAY 16A/20A/30A

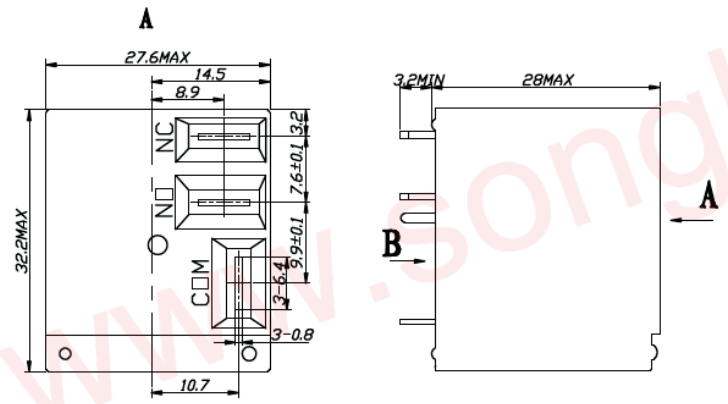
## Safety Approval Ratings

| | | |
|---|---|---|
| CQC<br>CQC08002027666<br>CQC08002027668 | R50056114 | cULus E179944 |
| 30A 250VAC<br>20A 250VAC | 30A 250VAC<br>20A 250VAC | 20A 240VAC<br>1HP 16A 120VAC |

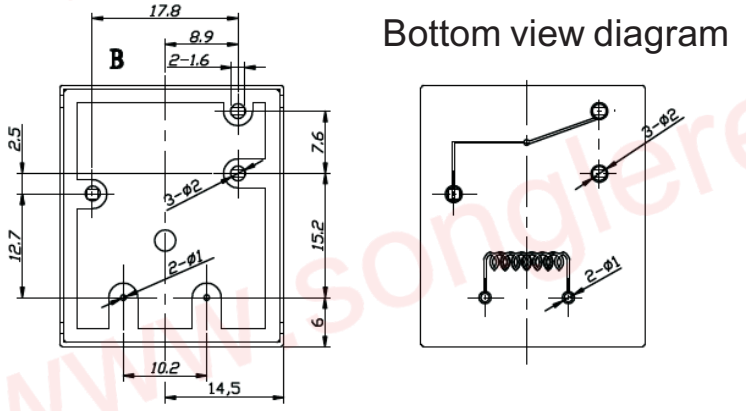
## OUTLINE DIMENSIONS ,WIRING DIAGRAM AND PC BOARD LAYOUT

Unit:mm

Physical installation diagram

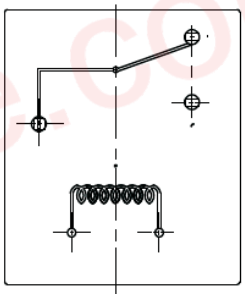



Bottom view diagram

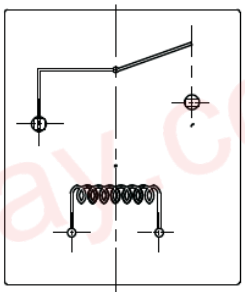



Bottom view diagram B Tolerance：±0. 1mm

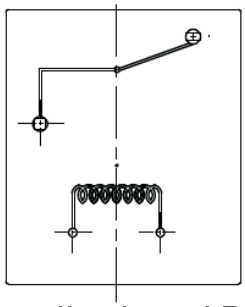
PCB board diagram
（bottom view diagram）



Conversion C type



Normally open A type



Normally closed B type

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