

SQ6 SERIES

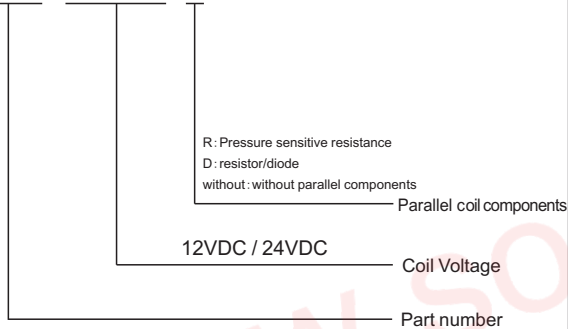


Features

- Small size, high contact current
- Environmental temperature : $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$
- Dust proof, reliable work
- Convenient installation and use
- Available for 100A/180A selection

Ordering Information

SQ6-12VDC-R



Contact Rating

Contact arrangement	A
Voltage drop	$\leq 200\text{mV}$
Contact material	Silver alloy: AgCdO、AgSnO ₂ 、AgNi
Contact rating	100A 180A
Max switching voltage	50VDC
Max switching current	180A
Max switching power	2400W
Work time limited	$\leq 5\text{min}$
Electrical endurance	$\geq 50000\text{ops}$

Characteristics

Insulation system	Class B / Class F	
Insulation resistance	100M Ω (500VDC)	
Dielectric Strength	Between contacts and coil	550VAC 1Minute
	Between open contacts	550VAC 1Minute
Operate time(Under nominal voltage)	$\leq 25\text{ms}$	
Release time(Under nominal voltage)	$\leq 10\text{ms}$	
Humidity	85% RH (20°C)	
Ambient Temperature	$-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$	
Shock resistance	Functional	98m/s ²
	Destructive	980m/s ²
Vibration resistance (Double amplitude)	10Hz~55Hz 1.5mm	
Weight	Approx 235g	
Construction	Sealed	

Remark:1)All above data is initial value

Coil Data

(at 20°C)

Power dissipation W	Voltage VDC	Current mA	Resistance $\Omega \pm 10\%$	Pick-up voltage	Drop-out voltage	Max allowable
26W	12	2.18	5.5	$\leq 8\text{V}$	1V~3V	130%
	24	1.09	22	$\leq 16\text{V}$	1V~4V	130%

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 www.songlerelay.com

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

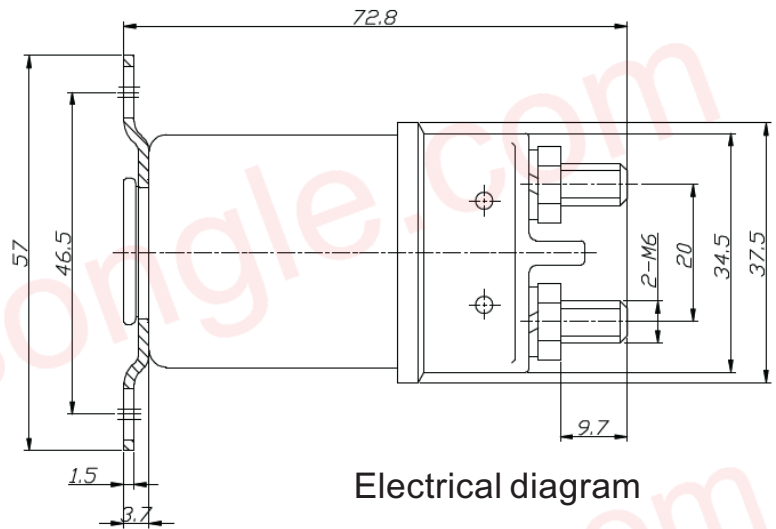
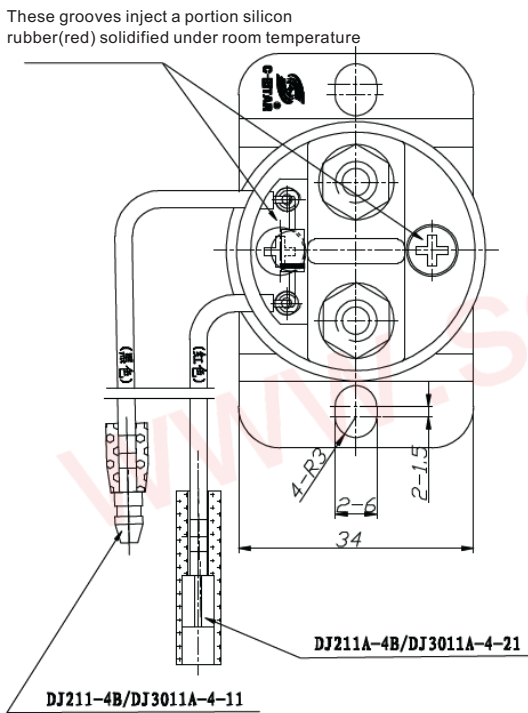
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OUTLINE DIMENSIONS , WIRING DIAGRAM

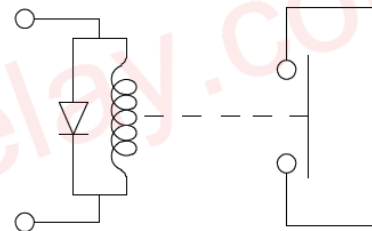
Unit:mm

Physical installation dimension diagram

Bottom view diagram



Electrical diagram



Tolerance: ± 0.1

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