ARTICLE CODE

S23 2C DC12V

S23(JQX-12F) Series

Coil Voltage
6~110VDC
6~220VAC

Contact Ratings
1C,1A,1B,2C,2A,2B

Model Name:S23

Main Features:

- With open type,dust-proof cover type.
- Instant connecting terminal available.

PERFORMANCE(at initial value)

Item \ Type	1C,1A,1B	2C,2A,2B
Contact Resistance	100mΩ Max.(Initial Value)	
Operate Time	30msec Max.	
Release Time	20msec Max.	
Pull In Voltage(VDC)	DC:75%Max,AC:80%Max	
Drop Out Voltage(VDC)	DC:10%Max,AC:30%Max	
Max. Allowable Voltage(VDC)	110%Max	
Coil Nominal Voltace	DC:6V,9V,12V,24V,36V,48V,110V,220V AC:6V,9V,12V,24V,36V,48V,110V,220V	
Power Consumption(W)	DC:2.5W AC:4.0VA	
Dielectric Strength between Coil & Contact between Contact between Contact	2500VAC (1min) 1500VAC (1min) 1500VAC (1min)	
Insulation Resistance	1000MΩ Min.(DC500V)	
Operating Ambient Temperature	-40℃ ~+70 ℃	
Humidity	35 to 80% RH	
Rated Carrying Current	30A/250VAC 30A/28VDC	
Vibration Resistance	10G(10~55Hz) (Dual Amplitude:1.0mm)	
Shock Resistance	10G	
Life Expectancy Mechanically Electrically	10,000,000 ops.Min.(18000 ops./h) 100,000 ops.Min.(1800 ops./h)	
Weight	70g(approx.)	

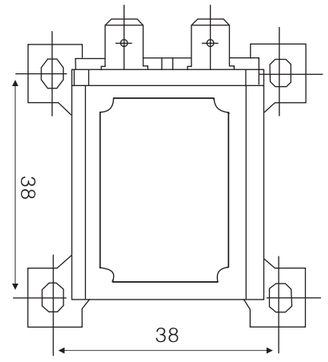
COIL RATING(at 20℃)

	Nominal Voltage (VDC)	Coil Resistance (Ω)(±10%)	Power Consumption(W)	Nominal Current (mA)(±10%)	Pull In Voltage (VDC)	Drop Out Voltage (VDC)	Max. Allowable Voltage (VDC)
DC	6V	18Ω	2.5W	333.3mA	75% MAX	10% MIX	110%
	12V	72Ω		166.7mA			
	24V	288Ω		83.3mA			
	48V	1125Ω		42.7mA			
	60V	1800Ω		33.3mA			
	110V	6050Ω		18.8mA			

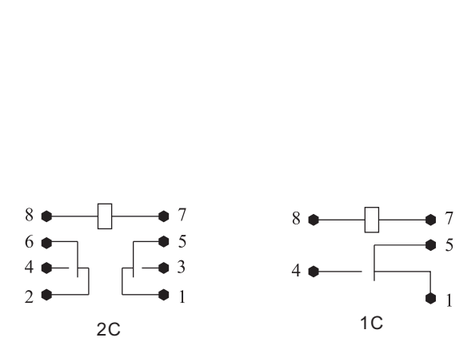
	Nominal Voltage (VAC)	Coil Resistance (Ω)(±10%)	Power Consumption(VA)	Pull In Voltage (VAC)	Drop Out Voltage (VAC)	Max. Allowable Voltage (VAC)
AC	6V	3.15Ω	4.0VA	80% MAX	30% MIX	110%
	9V	7.1Ω				
	12V	12.6Ω				
	18V	28.4Ω				
	24V	50.4Ω				
	48V	113Ω				
	110V	1100Ω				
	220V	4200Ω				
	240V	5050Ω				

OUTLINE DIMENSION,WIRING DIAGRAM & PC BOARD LAYOUT

Unit: mm



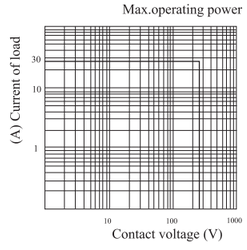
Dimension

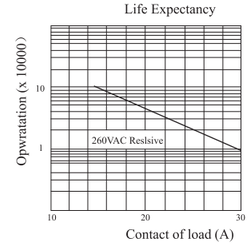


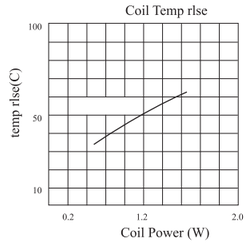
Wiring diagram
(Bottom view)

Remark: 1) In case of no tolerance shown in outline dimension: outline dimension ≤1mm, tolerance should be ±0.2mm; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.
2) The tolerance without indicating for PCB layout is always ±0.1mm.

WIRING DIAGRAMS(Bottom View)







Power Relay