

### ARTICLE CODE

S8F-1 12 DC P L

## S8F Series



L:Lamp

Nil:Inserting

P:PCB

Nil:DC

AC:AC

Coil Voltage

1:1C;2:2C

3:3C;4:4C

Model Name:S8F

### Main Features:

- Small size,light weight,heavy reverse power.
- Optional mounting ways.
- Firm structure,strong anti-shock & anti vibration.
- Suitable for automatic control,telecommunication equipment,household electrical appliance and machiner electrical facilities.

### COIL RATING(at 20°C)

	Nominal Voltage (VDC)	Coil Resistance(Ω)(±10%)			Power Consumption(W)	Pull In Voltage (VDC)	Drop Out Voltage (VDC)	Max. Allowable Voltage (VDC)
		1C,2C	3C	4C				
DC	6V	42Ω	25.7Ω	25Ω	1C,2C:0.9W 3C:1.4W 4C:1.5W	75% MAX	10% MIX	130%
	12V	160Ω	107Ω	100Ω				
	24V	650Ω	410Ω	350Ω				
	48V	2560Ω	1700Ω	1600Ω				
	110V	13500Ω	8500Ω	6900Ω				
	220V	54000Ω						
	Nominal Voltage (VAC)	Coil Resistance(Ω)(±10%)			Power Consumption(VA)	Pull In Voltage (VAC)	Drop Out Voltage (VAC)	Max. Allowable Voltage (VAC)
		1C,2C	3C	4C				
AC	6V	25Ω	6.7Ω	25Ω	1C,2C:1.2VA 3C:2.0VA 4C:2.5VA	80% MAX	30% MIX	110%
	12V	42Ω	24Ω	42Ω				
	24V	190Ω	100Ω	190Ω				
	48V	650Ω	410Ω	650Ω				
	100V	3250Ω	2300Ω	3250Ω				
	110V	3600Ω	2300Ω	3600Ω				
	200V	13500Ω	8650Ω	13500Ω				
	220V	13500Ω	8650Ω	13500Ω				
	240V	16500Ω	8950Ω	16500Ω				

### PERFORMANCE(at initial value )

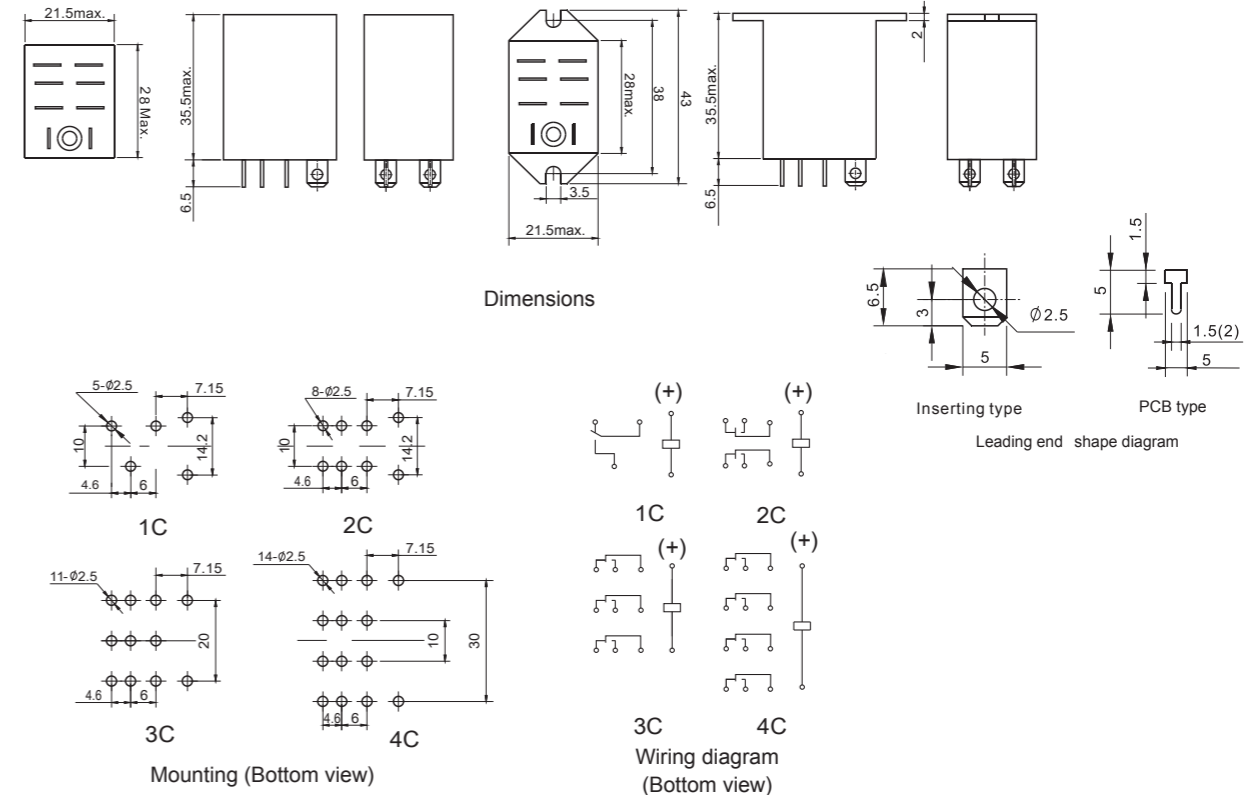
Item	Type	1C 15A	2C 10A	3C 10A	4C 10A
Contact Resistance		50mΩ Max.(Initial Value)			
Operate Time		25msec Max.			
Release Time		25msec Max.			
Dielectric Strength between Coil & Contact between Contact		1000VAC(1min) 700VAC(1min)			
Insulation Resistance		100MΩ Min.(DC500V)			
Operating Ambient Temperature		-40°C~+70°C			
Humidity		35 to 85% RH			
Vibration Resistance		10G(10~55Hz) (Dual Amplitude:1.5mm)			
Shock Resistance		10G			
Life Expectancy Mechanically Electrically		10,000,000 ops.Min.(1800 ops./h) 100,000 ops.Min.(1200 ops./h)			
Weight		37g(approx.)			

### CONTACT RATING

Item	Type	1C 15A	2C 10A	3C 10A	4C 10A
Rated Carrying Current		10A/240VAC 10A/28VDC			
Max. Allowable Current		17A	12A		
Max. Allowable Voltage		AC 250V		DC 125V	
Max. Current(Continual)		15A	10A		
Contact Material		Ag alloy			

### OUTLINE DIMENSION,WIRING DIAGRAM & PC BOARD LAYOUT

Unit: mm



- 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.  
 3) The width of the gridding is 2.54mm.

### CHARACTERISTIC CURVES

