

SONGLE RELAY

	<p>RELAY ISO9002</p>	<p>SLF</p>
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1. MAIN FEATURES

- 1 Form A (SPST-NO) Contact.
- Heavy duty switching current up to 30A.
- High inrush current 65A.
- High surge voltage 10,000V.
- Small package - Meet high density mounting requirement.
- Meet with associated requirement for UL508 industrial control equipment.
- With 4,000VAC standing.

2. APPLICATIONS

- Used on air conditioner, electrical heater Remote-controlled TV, automatic control and household electric device.

3. ORDERING INFORMATION

SLF	XX VDC	S	L	A
Model of relay	Nominal coil voltage	Structure	Coil sensitivity	Contact form
SLF	05、06、09、12、18、24VDC	S:Sealed type F:Flux free type	L:1.2W D:Special	A:1 form A

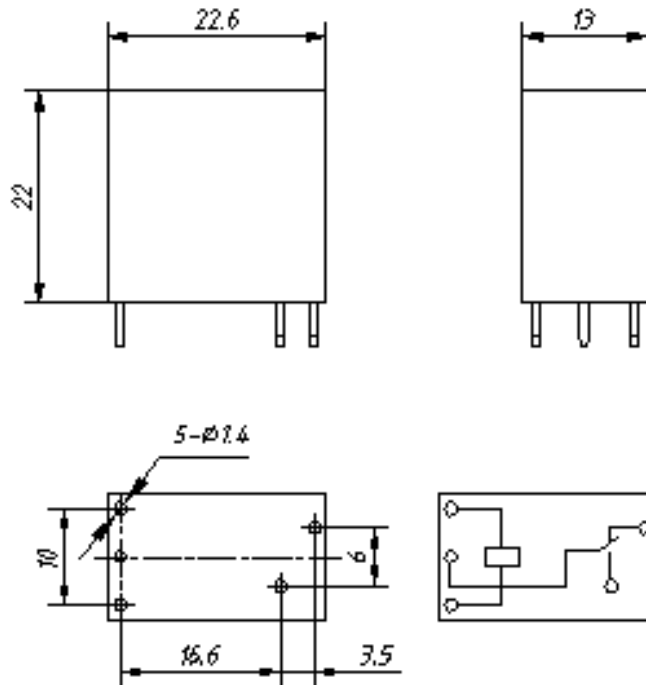
4. RATING

30A/250VAC 28VDC

5. DIMENSION_(unit:mm)

DRILLING_(unit:mm)

WIRING DIAGRAM



6. COIL DATA CHART (AT20°C)

Coil Sensitivity	Coil Voltage Code	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω) $\pm 10\%$	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
SLF	05	05	239	38	abt. 1.2W	75% Max.	10% Min.	110% Max.
	06	06	200	55				
	09	09	134.3	125				
	12	12	100	222				
	18	18	66.7	500				
	24	24	50	890				

7. CONTACT RATING

Item	Type	SLF
Contact Capacity Resistive Load		30A 125VAC
Motor Load		2HP 250VAC
Rated Carrying Current		30A
Max. Allowable Voltage		250VAC, 30VDC
Max. Allowable Current		30A
Max. Allowable Power Force		7500VA
Referenced Min. Applicable Load		5VDC, 100mA
Contact Material		AgCdO

8. PERFORMANCE (at initial value)

Item	Type	SLF
Contact Resistance		50m Ω Max. (at 1A 6VDC)
Operation Time		20msec Max.
Release Time		5msec Max.
Dielectric Strength		Between coil & contact 4000VAC 50/60Hz (1 minute) Between contacts 1200VAC 50/60Hz (1 minute)
Surge Resistiveness		1000V (at 1.2x50msec standard surge wave)
Insulation Resistance		100 M Ω Min. (500VDC)
Max. ON/OFF Switching		Mechanically 300 operation/min Electrically 30 operation/min
Operating Ambient Temperature		-40°C to +70°C (No water drop condensation)
Operating Humidity		45 to 85% RH
Coil Temperature Rise		35 deg. Max. (at rated coil voltage)
Vibration		Endurance 10 to 55HZ Double Amplitude 1.5mm Error Operation 10 to 55HZ Double Amplitude 1.5mm
Shock		Endurance 200m/s ² (11 \pm 1msec) Error Operation 1000m/s ² (6 \pm 1msec)
Life Expectancy		Mechanically 5 \times 10 ⁶ ops. Min. (no load) Electrically 1 \times 10 ⁵ ops. Min. (at resistive load)
Weight		abt. 55grs.

9. REFERENCE DATA

