T810S-A008C

TRS

- 30A 16VDC switching rating
- 40A inrush at 16VDC
- Lower power relay
- For Automotive Applications
- Conform to RoHS,ELV directive

■ORDERING CODE

TRS D— S — H / 12VDC
1 2 3 4 5

1. Relay Model
2. Coil Power
   L: 0.57W
   D:0.8W
3. S: Sealed
   Nil: Vented(Flux-tight)
4. H: Form A
   Z: Form C
5. Coil Nominal Voltage
   6,12,24VDC

■COIL DATA （at 20℃）

Nominal Voltage (VDC)	6	12	24	0.57W
Coil Resistance (Ω ±10%)	63	254	1010	
Rated Current (mA)	95	47.5	23.7	
Max Operate Voltage (VDC)	3.6	7.2	14.4	
Min Release Voltage (VDC)	0.6	1.2	2.4	
Coil Resistance (Ω ±10%)	45	180	720	0.8W
Rated Current (mA)	133.3	66.7	33.3	
Max Operate Voltage (VDC)	3.45	6.9	13.8	
Min Release Voltage (VDC)	0.6	1.2	2.4	
Max Applicable Voltage	70℃ 130%，23℃ 170%			

■CONTACT DATA

			(A)		Frequency ops/min	Duty Cycle	Life Expectancy
	Load Type		NO	NC			
Contact Ratings	Resistive Load		20	---	15	0.5	3×10^5
	Wiper reserve L=1.0mH	Make	25	25	15	0.5	3×10^5
		Break	5	5			
	Motor reserve blocked L=0.77mH		20A Inrush		15	0.5	1×10^5
	Flasher Load		3×21W	---	80	0.5	2×10^6
	Lamp	Inrush	100	---	6	1/6	1×10^5
		Steady state	10	---			

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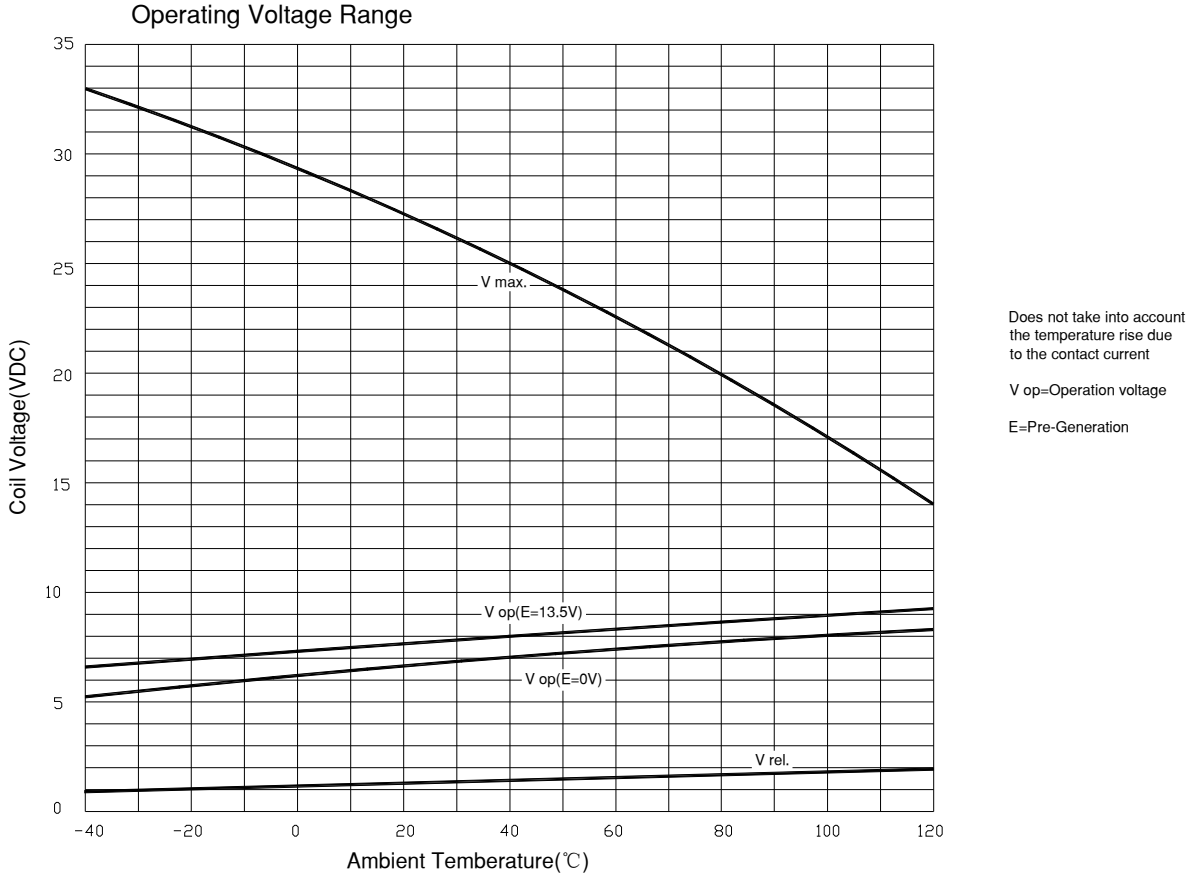
Contact Form	1H/1Z
Contact Material	Silver Alloy
Load (Resistive load)	**NO/NC:** 30A/25A 13.5VDC
Minimum load	0.5A 12VDC
Max. Continuous Load Current	**NO:** 30A(at 23℃,1h); 20A(at 85℃,1h)
	NC: 25A(at 23℃,1h); 15A(at 85℃,1h)
Max Switching Current	40A
Max Switching Power	420W
Contact Resistance	100mΩMax at 6VDC 1A
Electrical Life Expectancy	See "Contact Data" Table
Mechanical	10, 000, 000 Operations(at300Operations/minute)

■CHARACTERISTICS DATA

Insulation Resistance	100MΩMin at 500VDC
Dielectric Strength Between Open Contacts	500VAC(for one minute)
Between Contacts and coil	500VAC(for one minute)
Operate Time	4ms
Release Time	2ms
Temperature Range	-40℃to+105℃
Shock Resistance	6 msec up to 30g (No change in the switching state>10 μ sec)
Vibration Resistance	10-500Hz, 6g (No change in the switching state>10 μ sec)
Max. switching frequency	Mechanical:18,000operations/hr
Humidity	20-50%
Weight	Approx 4g

■ENGINEERING DATA



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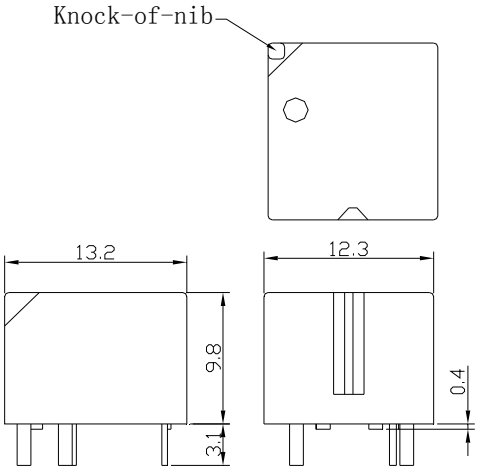
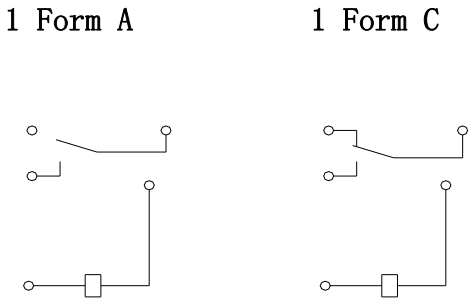
■OVERALL AND MOUNTING DIMENSIONS

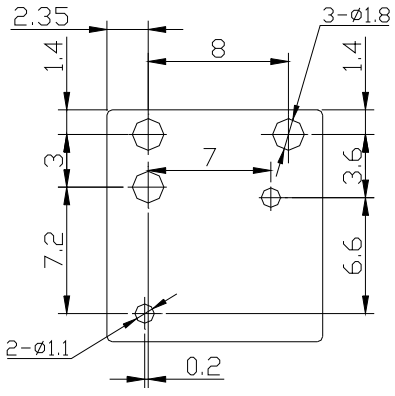
Outline Dimensions-Single Relay



Wiring Diagrams-Single Relay(Bottom Views)



Suggested PC Board Layout-Single Relay(Bottom View)



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