Automotive Relay | TRV6

T810S-A009B

- 80A continuous rating 85℃
- 1A,1B&1C arrangements
- Plug-in or PC board terminals
- Optional mounting bracket

28×28×23.7

■ORDERING CODE

TRV6 — 12VDC（D1）— 1Z — F — P1
1 2 3 4 5 6

1. Relay Model
2. Coil Nominal Voltage
   6,12,24VDC
3. None: Standard
   R1: Coil parallel with 1/2W resistor 680Ω for Coil voltage 12VDC; 2700Ω for coil voltage 24VDC
   D1: Coil parallel with diode IN4007 the positive pole "+"on #85 teminal
   D2: Coil parallel with diode IN4007 the positive pole "-"on #85 teminal
4. Contact Form
   1Z: Form 1C
   1H: Form 1A
   1D: Form 1B
5. F:WITH BRACKET
   None: WITHOUT BRACKET
6. P1: PCB Type 5.3mm
   P2: PCB Type 3.2mm
   None: B Type

■COIL DATA

Nominal Voitage (VDC)	6	12	24	1.8W
Coil Resistance (Ω)	20	80	320	
Rated Current (mA)	300	150	75	
Max Operate Voltage (VDC)	3.9	7.8	15.6	
Min Release Voltage (VDC)	0.6	1.2	2.4	
Max ApplicableVoltage	130% at 70℃, 170% at 23℃			

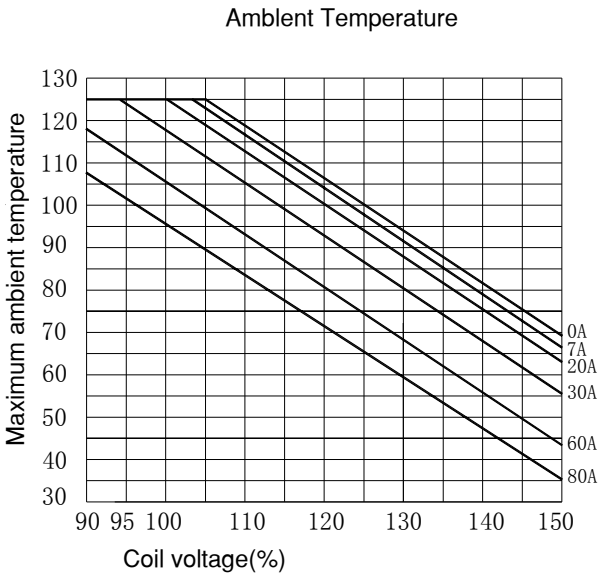
■CONTACT DATA

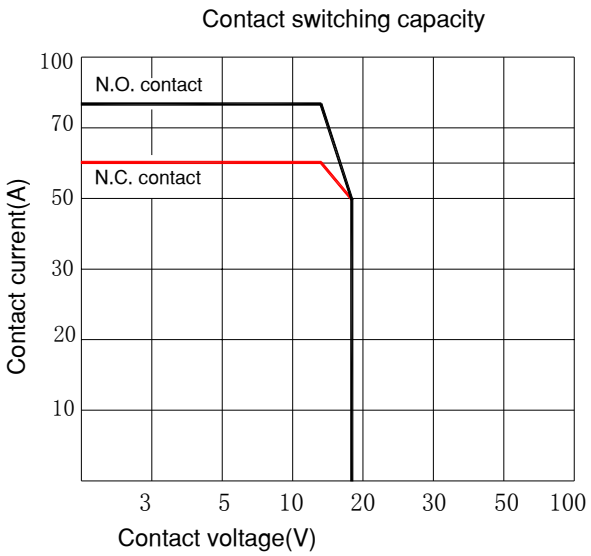
Contact Form	1H/1D/1Z
Contact Material	Silver Alloy
Load	Resistive load(COSΦ1)
Contact Ratings	NO: 50A 14VDC NC: 40A 14VDC
	NO: 80A 14VDC NC: 60A 14VDC
Minimum load	0.5A 12VDC
Max Switching Voltage	75VDC
Max Switching Current	80A
Max Switching Power	980W
Contact Resistance	100mΩMax at 6VDC 1A
Life Expectancy	Electrical: 100, 000 Operations(at30Operations/minute)
	Mechanical: 10, 000, 000 Operations(at300Operations/minute)

■CENTACT 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	7ms
Release Time	5ms
Temperature Range	-40℃to+85℃
Shock Resistance	Operating Extremes: 20G
	Damage Limits: 100G
Vibration Resistance	10-55Hz, 1.5mm
Max. switching frequency	Mechanical: 18,000 operations/hr Electrical: 1,800 operations/hr
Humidity	40-85%
Weight	Approx 46g
Safety Standard	

■ENGINEERING DATA





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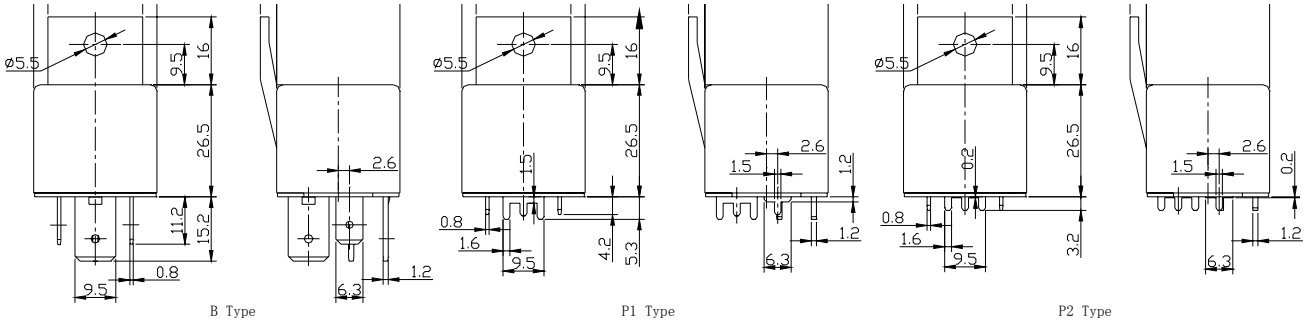
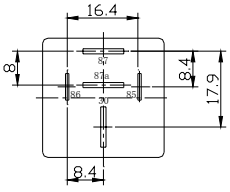
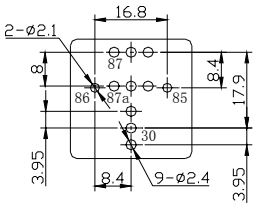
■OVERALL AND MOUNTING DIMENSIONS

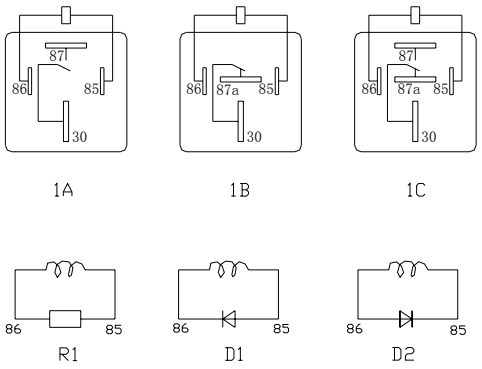




Layout (QUICK TYPE)



Layout(PCB TYPE)



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