


■ Features

- 80A continuous rating 85°C
- Plug-in or PC board terminals
- Optional mounting bracket

■ Ordering Code

TRV6	—	12VDC	—	Z	—	F	—	P1
1		2		3		4		5
1. Relay Model		2. Coil Power: 6, 12, 24VDC		3. Contact Form: Z: Form 1C, H: Form 1A, D: Form 1B				
		4. F: With Bracket, Nil: Without Bracket				5. P1: PCB Type 5.3mm, P2: PCB Type 3.2mm, Nil: B Type		

■ Coil Data (at 20°C)

Nominal Voltage(VDC)	6	12	24	1.8W
Coil Resistance($\Omega \pm 10\%$)	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 Applicable Voltage	130% of nominal voltage at 70°C, 170% of nominal voltage at 23°C			

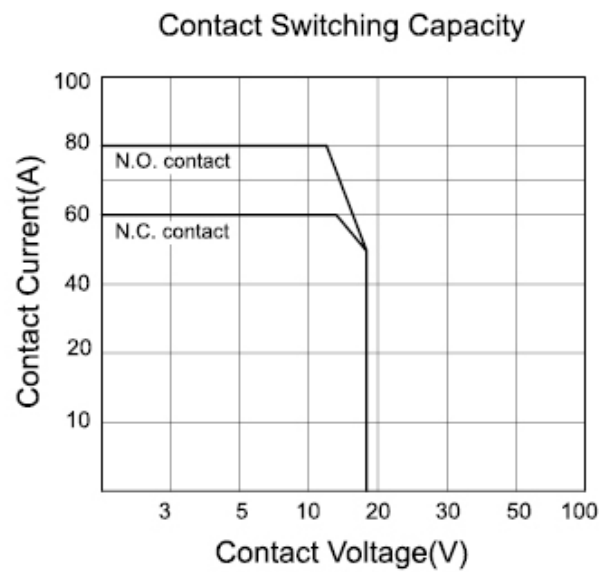
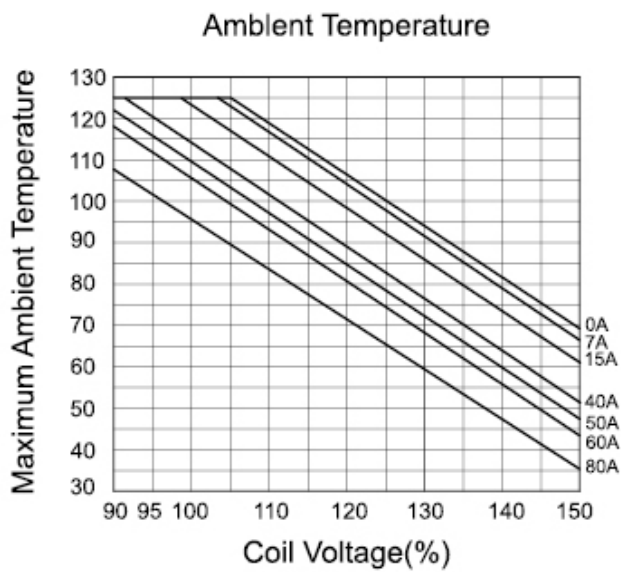
■ Contact Data

Contact Form	1H/1D/1Z
Contact Material	Silver Alloy
Load	Resistive Load(COS ϕ 1)
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	1120W
Contact Resistance	100m Ω Max at 6VDC 1A
Life Expectancy	Electrical: 100,000 Operations (at 30 Operations/minute)
	Mechanical: 10,000,000 Operations (at 300 Operations/minute)

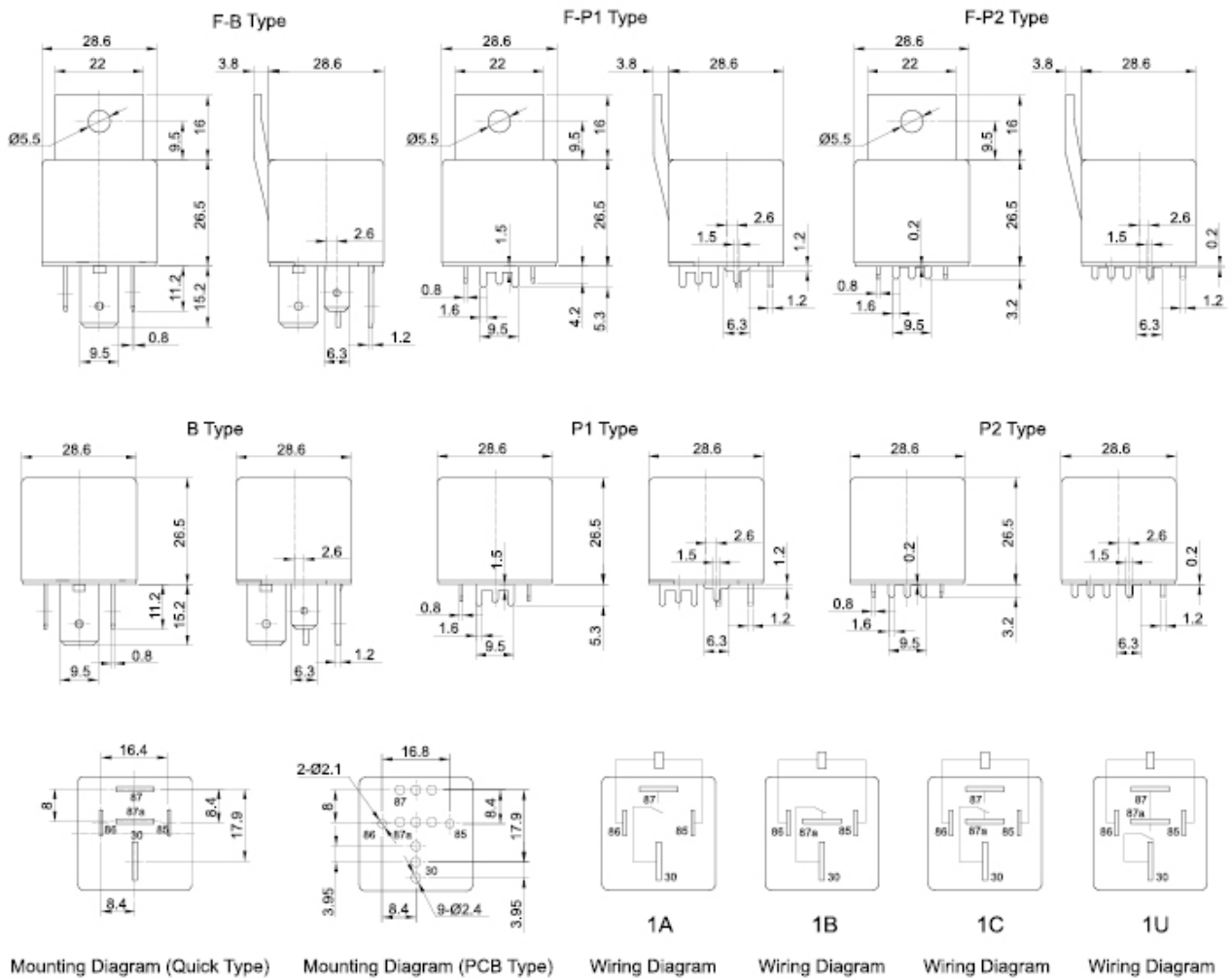
■ Characteristics Data

Insulation Resistance	100MΩMin at 500VDC
Dielectric Strength Between Open Contacts	500VAC (for one minute)
Between Contacts and Coil	500VAC (for one minute)
Operate Time	7ms
Release Time	5ms
Temperature Range	-40°C to +85°C
Shock Resistance	Operating Extremes: 10G Damage Limits: 20G
Vibration Resistance	10-40Hz, 1.5mm
Max. Switching Frequency	Mechanical: 18,000 operations/hr Electrical: 1,800 operations/hr
Humidity	40-85%
Weight	Approx: 46g

■ Engineering Data



Overall and Mounting Dimensions



Remark:

- 1). In case the tolerance is not shown in outline dimension, the tolerance should be $\pm 0.2\text{mm}$ for outline dimension $\leq 1\text{mm}$; $\pm 0.3\text{mm}$ for outline dimension: 1~5mm and $\pm 0.4\text{mm}$ for outline dimension $> 5\text{mm}$.
- 2). The tolerance without indication is always $\pm 0.1\text{mm}$ for the dimension of PCB layout.

Disclaimer:

These specifications are just for customers' reference and subject to change without notice.