



TRM

MAIN FEATURES

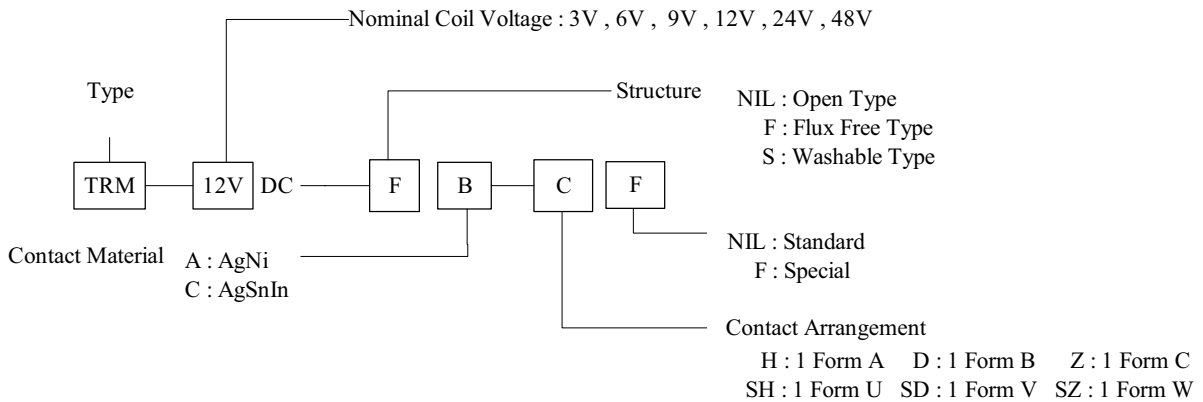
- Single CONTACT and double CONTACT Types offer switching capacity by 15A in small size for exclusive automobile control relay switching box use.
- PC board terminal.
- Simple magnetic circuit to meet mass production for low cost offer. Standard type is open type without dust cover. If dust cover required, suitable cased relay can be prepared.
- Operating ambient temperature range covers from -40°C by 85°C at no current on relay's CONTACTS.



APPLICATIONS

- Car control switching box (alarm system, automatic door locking) wiper motor Reversing, window Lifter, Flashers or turning signals, Air conditioning, Fuel pump control system, etc.

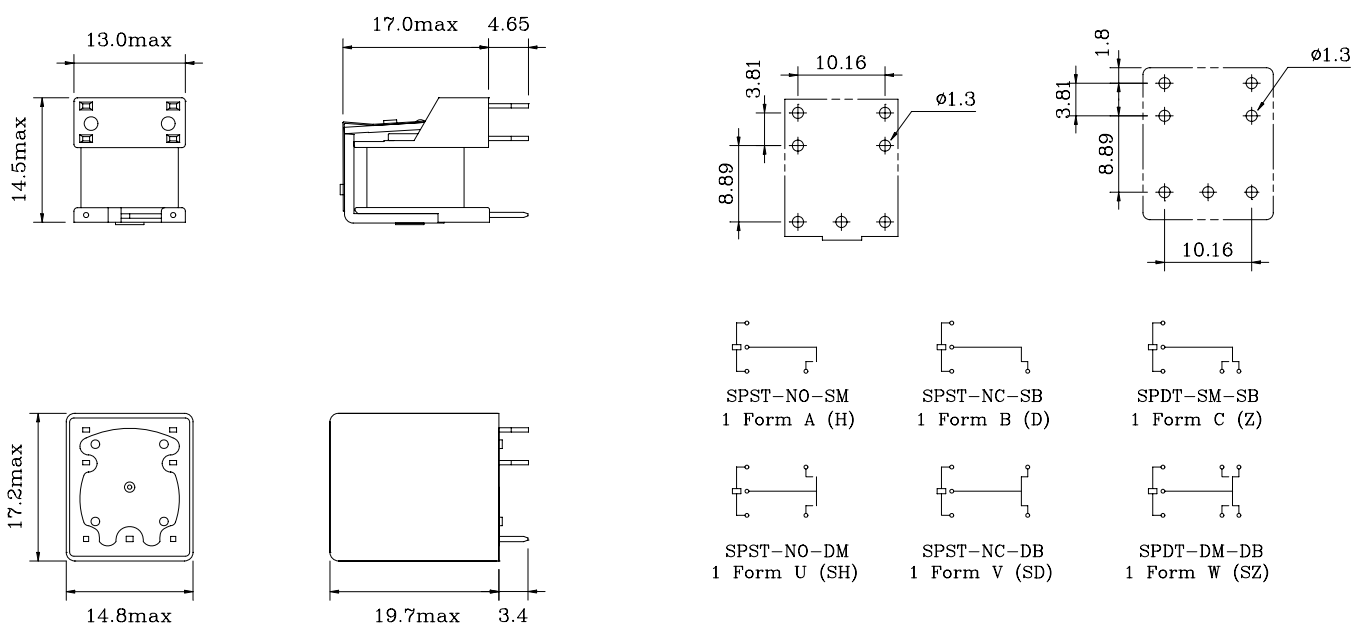
ORDERING INFORMATION



DIMENSION (unit:mm)

DRILLING (unit:mm)

WIRING DIAGRAM



大豪电子
 电话: 0755-83233025
<http://www.szdahao.com>
<http://www.very-tec.com>

■ 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)
						H,D,Z,SH,SD	SZ	D,SD	H,Z,SH,SZ	
TRM	06	6	215	28	abt. 1.1W ~ 1.3W	3.75	4.5	0.35	0.7	8
	12	12	93	130		7.5	9	0.7	1.4	16
	24	24	46	520		15	18	1.4	2.8	31

■ CONTACT RATING

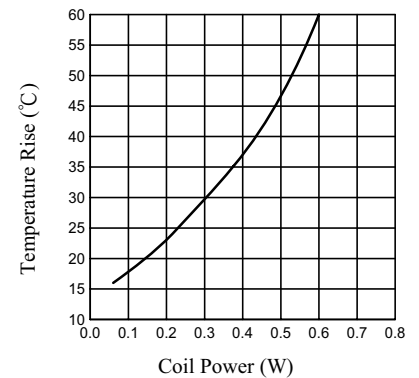
Item	Type	TRM	
		SZ, SH, SD	H, D, Z
Contact Capacity			
Resistive Load ($\cos\Phi=1$)		15A 120VAC	10A 120VAC
		15A 12VDC	10A 12VDC
Inductive Load ($\cos\Phi=0.4$ L/R=7msec)		2.5A 120VAC	1.5A 120VAC
		5A 12VDC	3A 12VDC
Rated Carrying Current		15A	10A
Max. Allowable Voltage		120VAC 28VDC	120VAC 28VDC
Max. Allowable Current		15A	10A
Max. Allowable Power Force		1800VA 180W	1200VA 120W
Referenced Min. Applicable Load		5VDC 10mA	5VDC 10mA
Contact Material		Ag Alloy	

■ PERFORMANCE (at initial value)

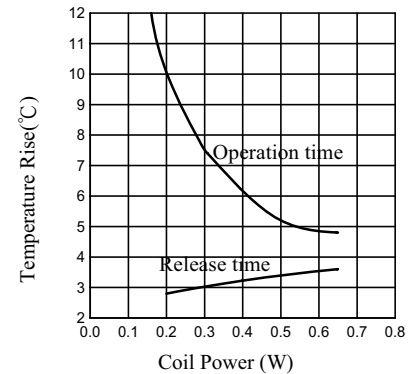
Item	Type	TRM
Contact Resistance		100m Ω Max.
Operation Time		6msec Max.
Release Time		3msec Max.
Dielectric Strength	Between coil & contact	500VAC 50/60HZ (1 minute)
	Between contacts	1000VAC 50/60HZ (1 minute)
Surge Resistiveness		2000V (between coil & contact 1 \times 40 usec)
Insulation Resistance		100 M Ω Min. (500VDC)
Max. ON/OFF Switching	Mechanically	300 operation/min
	Electrically	30 operation/min
Operating Ambient Temperature		-40°C to +85°C (No water condensation and no water drop)
Operating Humidity		98% RH at 20°C
Coil Temperature Rise		60 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	100G Min.
	Error Operation	10G Min.
Life Expectancy	Mechanically	10 \times 10 ⁶ ops. Min. (no load)
	Electrically	10 \times 10 ⁴ ops. Min. (at rated coil voltage)
Weight		abt. 12grs. (sealed), 8grs. (open Frame)

■ REFERENCE DATA

Coil Temperature Rise



Operation



Life Expectancy

