

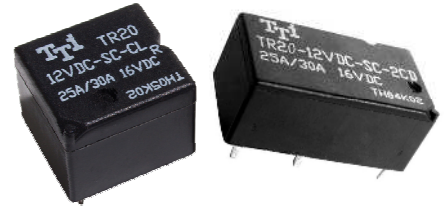
TR20

MAIN FEATURES

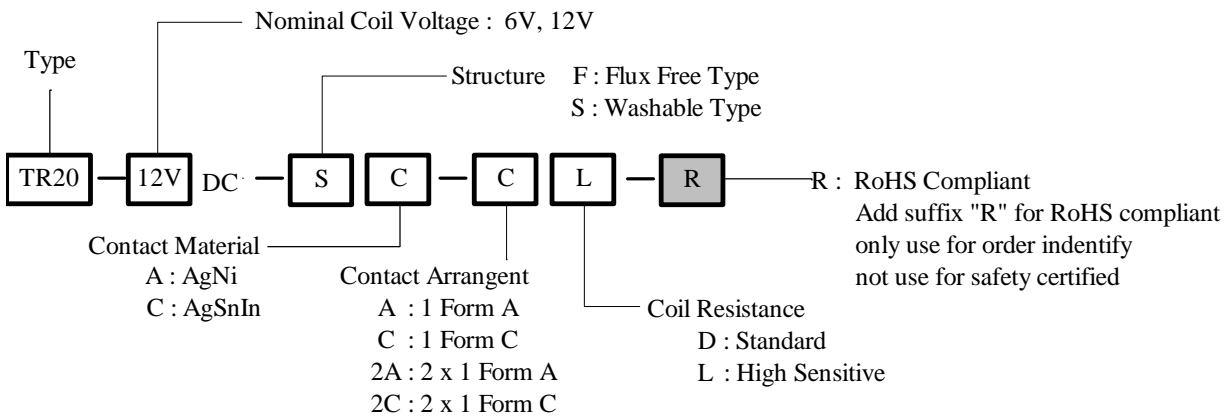
- Ultraminiaturized design, extremely light weight
- 30A maximum continuous current
- Twin relay in one housing available
- Suitable for motor reversing applications

APPLICATIONS

- Motor control
- Lamp control
- Interval wiper control
- Rear window and seat heating



ORDERING INFORMATION

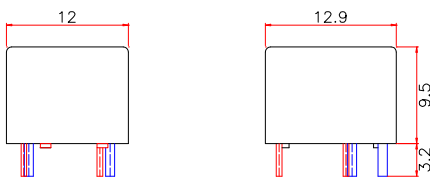


DIMENSION (unit:mm)

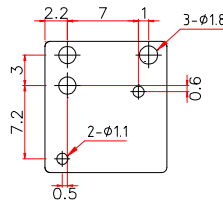
DRILLING (unit:mm)

WIRING DIAGRAM

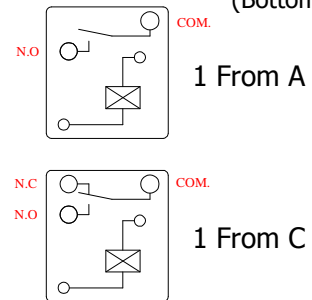
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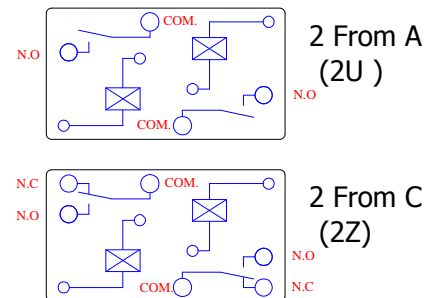
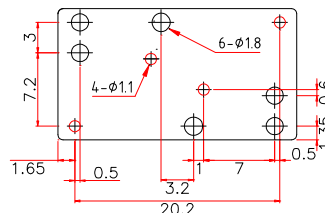
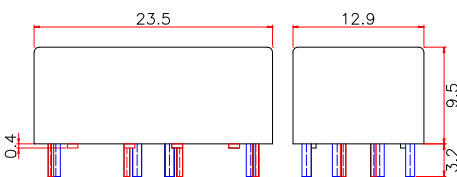
(Bottom views)



(Bottom views)



TR20 Twin



COIL DATA CHART (AT23°C)

Coil Sensitivity	Nominal Coil Voltage (VDC)	Coil Resistance (Ω) $\pm 10\%$	Power Consumption (W)	Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)	Allowable Voltage (VDC)
Sensitivity	6	64	0.55	3.5	0.75	11
	12	254		6.9	1.5	20
Standard	06	45	0.80	3.5	0.75	11
	12	181		6.9	1.5	20

CONTACT RATING

Item \ Type		TR20			
		1 Form A	1Form C	2 x 1 Form A	2 x 1 Form C
Contact Rating		30A 16VDC	NO : 30A 16VDC NC : 25A 16VDC	2 x 30A 16VDC	2 x { NO : 30A 16VDC NC : 25A 16VDC
Max. Switching Current	Make	100A			
	Break	30A			
Max. Switching Voltage		16VDC			
Max. Continuous Current		N.O. 30A / N.C. 25A			
Min. Load		12VDC 0.5A			
Material		Ag Alloy			

PERFORMANCE (at initial value)

Item \ Type	TR20
Contact Resistance	100m Ω Max.
Operation Time	10ms Typical.
Release Time	5ms. Typical.
Dielectric Strength	500Vrms (1 minute)
Insulation Resistance	100 M Ω (at 500VDC, 50%RH).
Drop Resistance	1M height drop on concrete
Ambient Temperature	Operating :-40°C to 105°C. Storage :-40°C to 155°C.
Operating Humidity	45 to 80% RH
Coil Temperature Rise	60 deg. Max. (at rated coil voltage)
Vibration Resistance	6G, 10 - 500Hz
Shock Resistance	30G, 6ms
Power Consumption	0.55W approx.
Life Expectancy	
Mechanically	10 ⁷ ops.
Electrically	10 ⁵ ops.
Weight	abt. 4 grs. (Dual 8 grs.)

This datasheet for reference and subject to change without notice. Please double check final specification with Tai-Shing.