



TR82

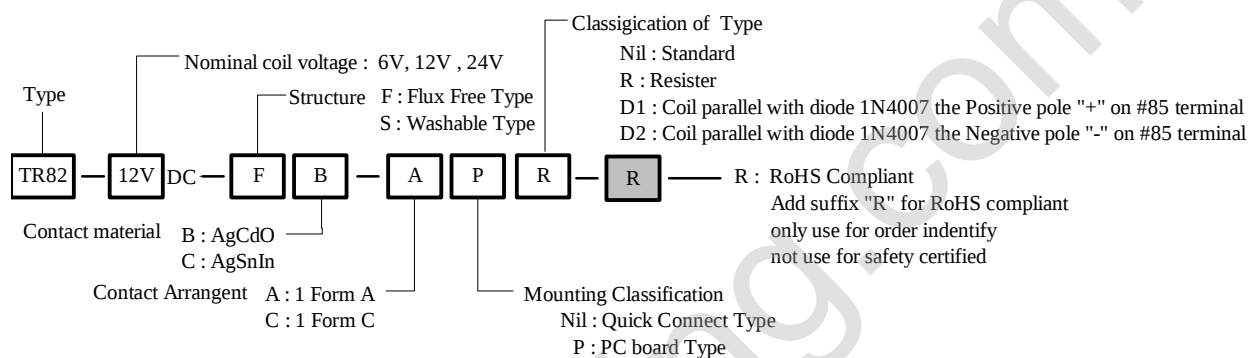
➤ MAIN FEATURES

- Switch Capacity up to 25A, 40A continuous current capacity.
- 4.8mm and 6.3mm flat terminals.
- Medium duty.
- Micro size plug-in design, PCB termination available.

➤ APPLICATIONS

- Used on air conditioner, electrical heater Remote-controlled TV, automatic control and household electric device.

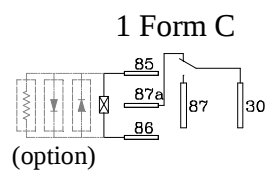
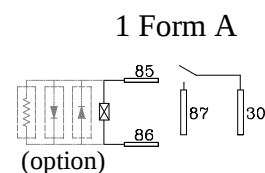
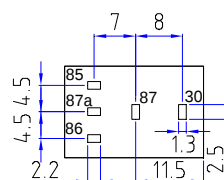
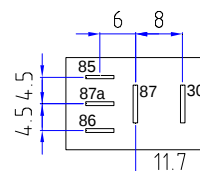
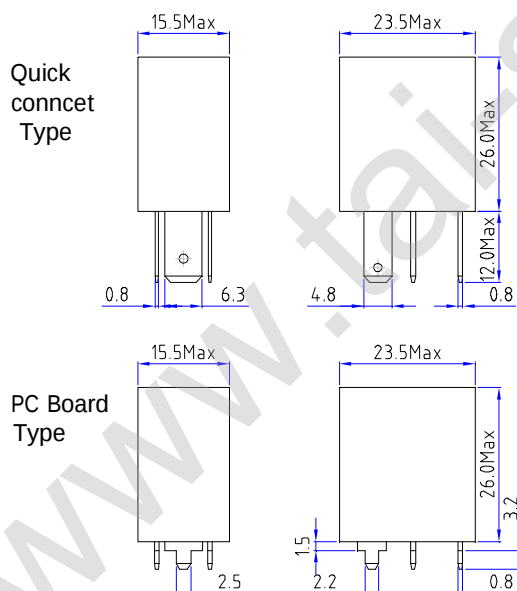
➤ ORDERING INFORMATION



■ DIMENSION(unit:mm)

■ DRILLING(unit:mm)

■ WIRING DIAGRAM



➤ COIL DATA CHART(at 20 °C)

Contact Arrangement		Nominal Coil Voltage (VDC)	Coil Resistance (Ω) $\pm 10\%$	Nominal Current (mA)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Allowable Voltage Max (VDC)	Ralleled Resistor(Ω) (Optional)
TR82	Form A	6	32	187.5	abt. 1.6	3.6	0.6	10.4	170
	Form C		25	240.0				9.2	
	Form A	12	123	97.6		7.2	1.2	20.4	680
	Form C		97	123.7				18.1	
	Form A	24	483	49.7		14.3	2.4	40.4	2720
	Form C		384	62.5				36.0	

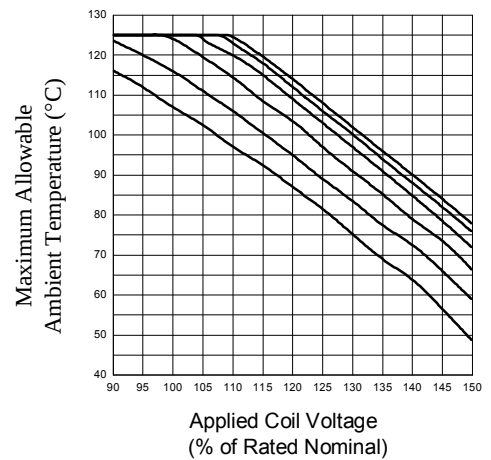
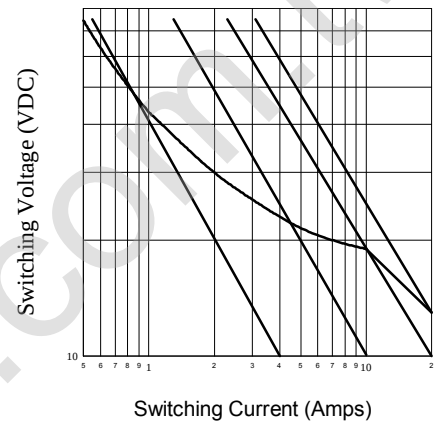
➤ CONTACT RATING

Item	Type	TR82	
		1 Form A	1 Form C
			N/O N/C
Contact Capacity			
Resistive Load			
$\cos\Phi=1$		30A 14VDC	30A 14VDC 15A 14VDC
Max. Carrying Current		40A	40A 30A
Max. Make Current		90A	90A 20A
Max. Break Current		30A	30A 15A
Max. Allowable Power Force		420W	
Max. Switching Voltage		16VDC	
Contact Material		Silver Alloy	

➤ PERFORMANCE (at initial value)

Item	Type	TR82
Contact Resistance		100m Ω Max.
Operation Time		10msec Max.
Release Time		7msec Max.
Dielectric Strength		
Between open contact		1000VAC 50/60Hz (1 minute)
Between contacts		500VAC 50/60Hz (1 minute)
Surge Resistiveness		1500V
Insulation Resistance		100 M Ω Min. (500VDC)
Operating Ambient Temperature		-40°C to +85°C(No water condensation and no water drop)
Operating Humidity		45% to 85% RH
Coil Temperature Rise		40 deg. Max. (at rated coil voltage)
Vibration		
Endurance		Approx. 44.1 m/s ² (4.5G), 10 to 500 Hz
Error Operation		Approx. 44.1 m/s ² (4.5G), 10 to 2,000 Hz
Shock		
Endurance		100G Min.
Error Operation		10G Min.
Life Expectancy		
Mechanically		1 $\times$ 10 ⁵ operations. Min. (no load)
Electrically		1 $\times$ 10 ⁵ operations. Min.
Weight		abt. 18.5grs.

➤ REFERENCE DATA



This datasheet for reference and subject to change without notice. Please double check final specification with Tai-Shing.
(0939AA08VOL01)