



TR94

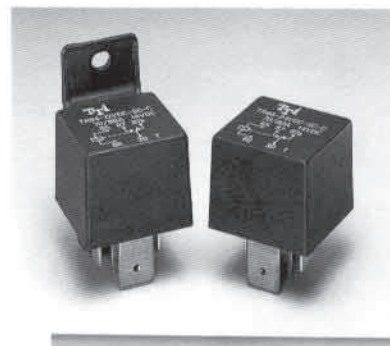
70 Amp. High Current
Automotive Relay

■ MAIN FEATURES

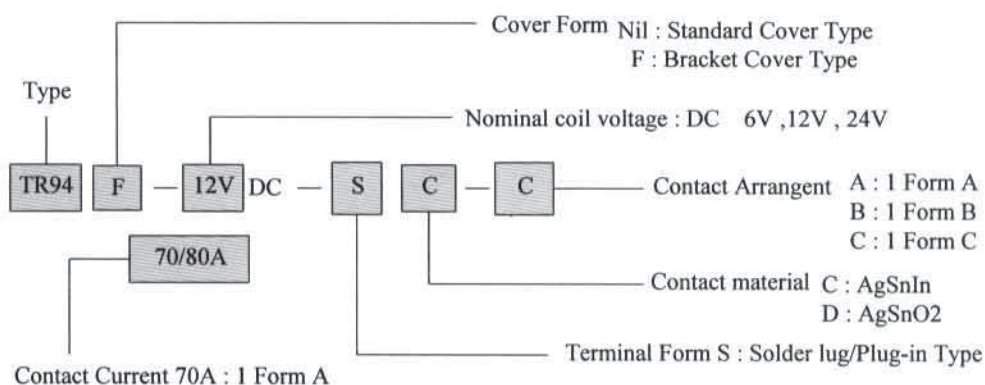
- Plug-in terminals, easy to handle worldwide changeable, with ISO sockt.
- 1 Form A.
- Optional mounting bracket.
- Small size, high capacity, rated load 70A.
- Usage of relay in car
Compressor Light Startor Horn

■ APPLICATIONS

- For direct connection with Cell Motors, Transmission, etc. and
Anti-Locking Brake System.



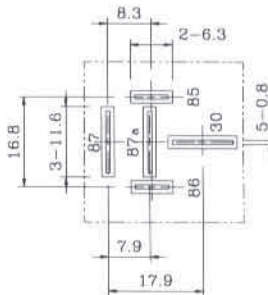
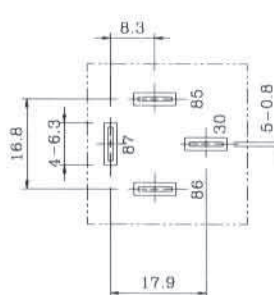
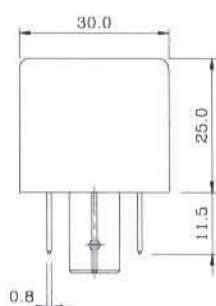
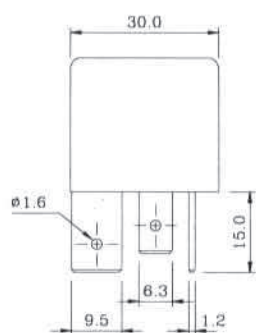
■ ORDERING INFORMATION



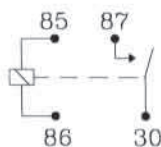
■ DIMENSION (unit:mm)

■ DRILLING (unit:mm)

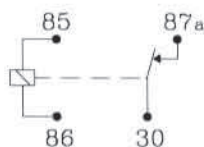
■ WIRING DIAGRAM



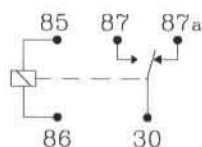
1A



1B



1C



■ 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)
TR94	6	6	267	22.5	abt. 1.8	75% Max.	5% Min.	150% but for short time carrying current
	12	12	133	90				
	24	24	68.6	350				

■ CONTACT RATING

Contact Form	1 Form A
Contact Rating	14VDC, 70A
Initial Voltage Drop	200 mV (at 70A)
Max. Switching Voltage	75VDC
Max. Switching Power	50-500 Watts DC

■ PERFORMANCE (at initial value)

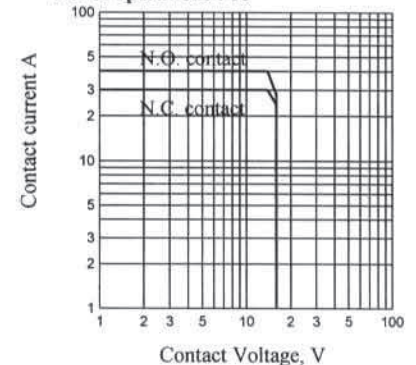
Item	Type	TR94
Contact Resistance		100m Ω Max.
Operate Time		15msec Max.
Release Time		15msec Max. (type with doide inside : 20msec max.)
Dielectric Strength		
Between coil & contact		AC 500V 50/60Hz (1 minute)
Between contacts		AC 500V 50/60Hz (1 minute)
Insulation Resistance		100 M Ω Min. (DC500V)
Max. ON/OFF Switching		
Mechanically		300 operation/min
Electrically		30 operation/min
Operating Ambient Temperature		-30°C to +80°C (No water drop condensation)
Operating Humidity		45 to 80% RH
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		10×10^6
Electrically		10×10^4
Weight		abt. 40grs

Note :

- * Any of the contents in this catalogue subject to change without notice.
- ** Customer has special requirement. Please contact with local representative of factory.

■ REFERENCIAL DATA

1. Maximum value for switching capacity No. of operations : 10^5

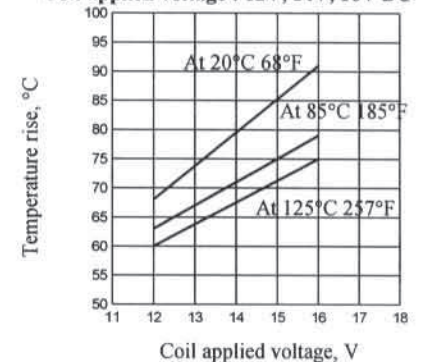


2-(1). Coil temperature rise (resistive)

Ambient temperature: 20°C, 85°C, 125°C; 68°F, 185°F, 257°F

Contact carrying current : 70A

Coil applied voltage : 12V, 14V, 16V DC



2-(1). Coil temperature rise (resistive)

Ambient temperature : 20°C, 68°C

Contact carrying current :

50A, 60A, 70A, 80A

Coil applied voltage : 12V, 14V, 16V DC

