

# FRC6 RELAY

## FEATURES

### Small size & High Contact Rating 100A

High temperature design

Ideal for using in Automobile

Plug in terminal



## SPECIFICATIONS

### COIL RATING

RATED VOLTAGE (V DC)	COIL RESISTANCE $\Omega$ +/- 10 %	RATED CURRENT (mA)	MUST OPERATE VOLTAGE	MUST DROPOUT VOLTAGE	MAXIMUM VOLTAGE	POWER CONSUMPTION
			% OF RATED VOLTAGE (At +20 °C)			
12	50	240	65 Max.	10 Min.	130 Max.	2.9W (Approx.)
24	195	123				

If with Resistor : 12VDC with 680 $\Omega$  +/- 10%  
24VDC with 2702 $\Omega$  +/- 10%

### CHARACTERISTICS

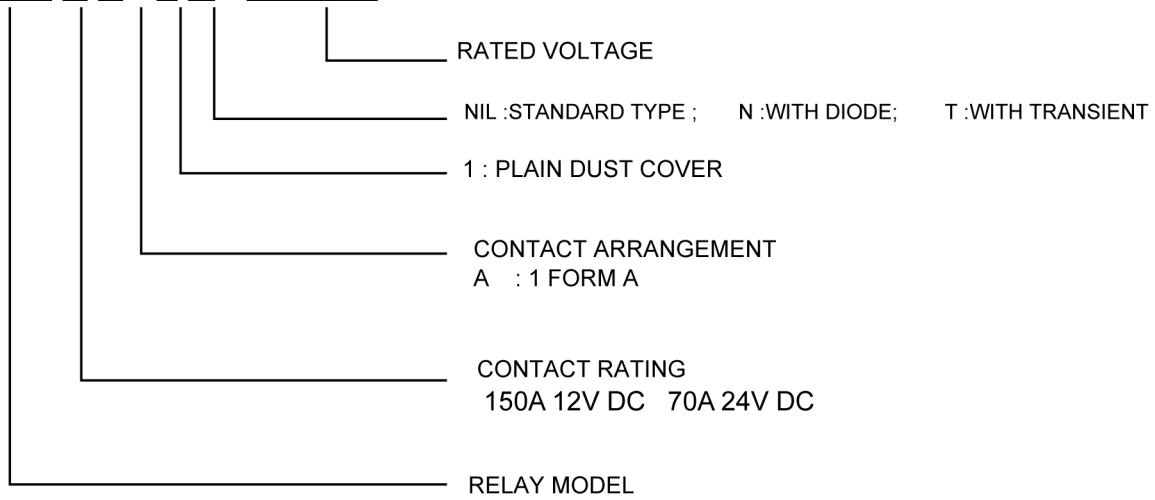
Contact Arrangement	SPST (1 FORM A) SPDT (1 FORM C)
Contact Material	Silver Alloy
Contact Resistance	30m $\Omega$ Max.
Contact Rating (Resistive Load)	FRC6B NO : 150A 12VDC, 70A 24VDC
Switching Current	150A Max.
Switching Voltage	DC 75V (Max.)
Voltage Drop	•200mV (at Contact Rating)
Operate Time (Initial)	10ms Max. Typical
Release Time (Initial)	5ms Max. Typical
Insulation Resistance	100M $\Omega$ Min. (at 500V DC)
Dielectric Strength	500Vrms between coil and contact
Shock Resistance	147m/s <sup>2</sup> 11ms
Vibration Resistance	1.5mm Double Amplitude; 10-40Hz
Ambient Temperature	-40°C to +85°C
Humidity	40 ~ 85% R.H.
Operation Life	Mechanical : 10 <sup>7</sup> Electrical : 10 <sup>5</sup> (At rated load)
Weight	35g Approx.

[Specifications are subject to change without notices.]

# FRC6 RELAY

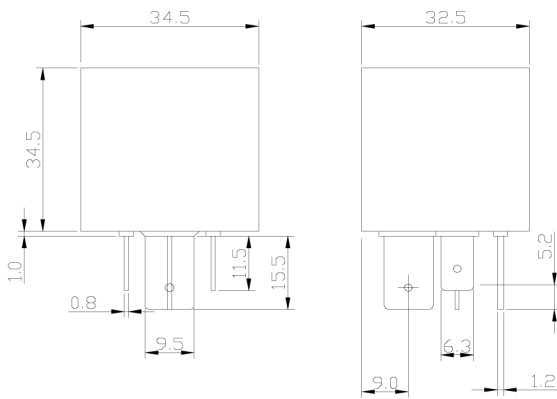
## ORDERING INFORMATION

**FRC6 B A - 1 N DC 12V**

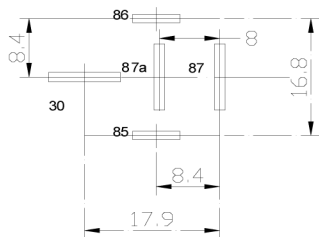


Note : Pb-Free and RoHS compliant relays are available.

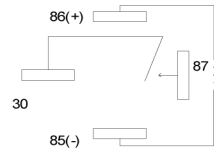
## DIMENSIONS (UNIT : mm)



MOUNTING (BOTTOM VIEW)



TERMINAL ARRANGEMENT (BOTTOM VIEW)



1 FORM A

Terminal width  
 Coil : 6.3mm  
 Contact : 9.5mm