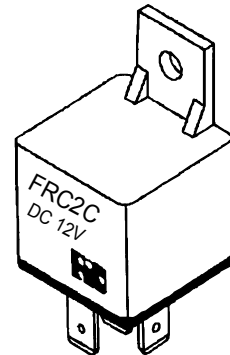


# FRC2 RELAY



## FEATURES

- High contact rating (50A)
- High temperature design
- Ideal for using in control-car starter and light
- 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)			
6	20	300	65 Max.	10 Min.	130 Max.	1.8W (Approx.)
12	80	150				
24	320	75				
48	1280	37.5				

\* IF USE RESISTOR :  
6VDC WITH 180 $\Omega$  RESISTOR  
12VDC WITH 680 $\Omega$  RESISTOR  
24VDC WITH 2702 $\Omega$  RESISTOR

### CHARACTERISTICS

Contact Arrangement	1 Form A; 1 Form C; 1 Form U (= 2 x 1 Form A)
Contact Material	Silvery Alloy
Contact Resistance	30m $\Omega$ Max.
Contact Rating (Resistive Load)	1A : 50A 14V DC 1C : (NO) 50A 14V DC (NC) 40A 14V DC 1U ( 2 x 1 Form A ) : 2 x 25A 14VDC
Switching Voltage	DC 75V
Operate Time (Initial)	7ms Max. Typical
Release Time (Initial)	5 ms Max. Typical
Insulation Resistance	100M $\Omega$ Min. ( 500V DC)
Dielectric Strength	500Vrms between coil and contact
Shock Resistance	20g Approx.
Vibration Resistance	1.5mm Double amplitude 10-40Hz
Ambient Temperature	Operating : -40°C to +85°C Storage : -40°C to + 125°C
Humidity	40 - 85% RH
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.]

## FORWARD INDUSTRIAL COMPANY. (O/B COMMERCIAL UNION LTD)

RM. 1405, Wu Sang House, 655 Nathan Road, Mongkok, Kowloon, Hong Kong.

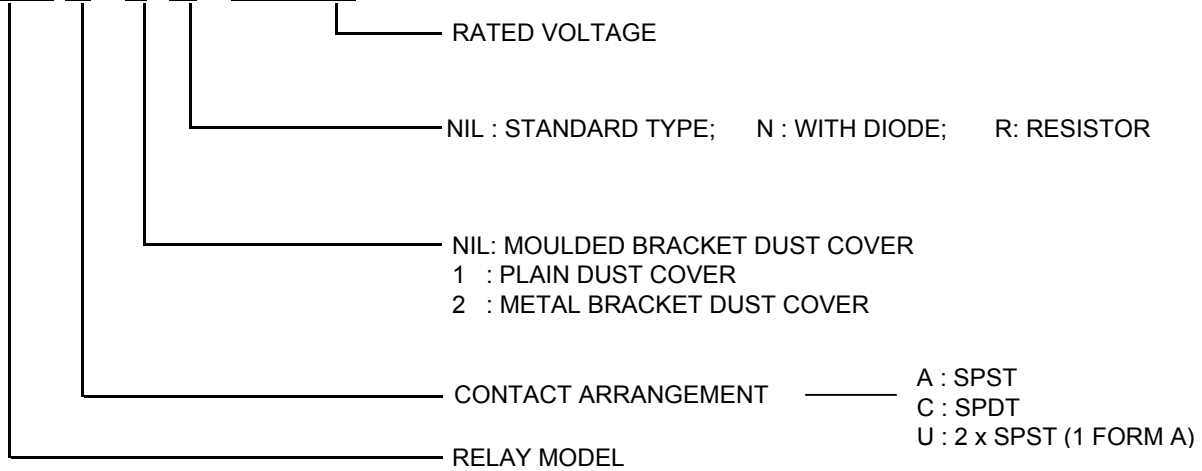
TEL : (852) 27892365 FAX : (852) 27893102 E-MAIL : sales@ficrelay.com.hk WEBSITE : <http://www.ficrelay.com.hk>

# FRC2 RELAY



## ORDERING INFORMATION

**FRC2 A - 1 N - DC12V**



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

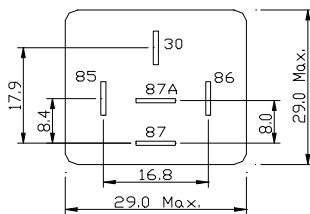
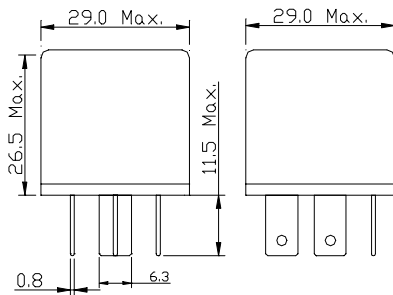
**For ordering, please add suffix "Pb-Free" or "RoHS" to standard relay part numbers.**

**For example : FRC2A-1 DC 12V "Pb-Free" for Pb-Free Relay**

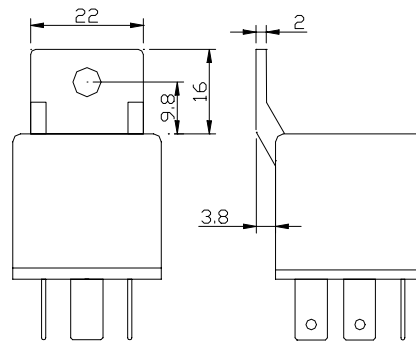
**For example : FRC2A-1 DC 12V "RoHS" for RoHS Compliant Relay**

## DIMENSIONS (UNIT : mm)

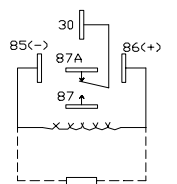
PLAIN DUST COVER  
(PLUG IN TYPE TERMINAL)



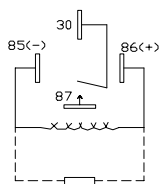
MOULDED BRACKET DUST COVER



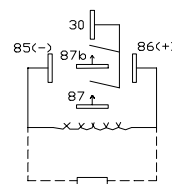
TERMINAL ARRANGEMENT (BOTTOM VIEW)



Diode or Resistor If Used  
1 FORM C



Diode or Resistor If Used  
1 FORM A



Diode or Resistor If Used  
1 FORM U