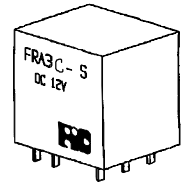


# FRA3 RELAY



## FEATURES

- Miniature power designed for mounting on PC Board
- Small size and light weight
- Low cost and high performance
- Switching capacity up to 25A
- Open type, dust cover or sealed type



## SPECIFICATIONS

### COIL RATING

RATED VOLTAGE ( V DC)	COIL RESISTANCE $\Omega$ $\pm$ 10 %	RATED CURRENT (mA)	MUST OPERATE VOLTAGE	MUST DROPOUT VOLTAGE	MAXIMUM VOLTAGE	POWER CONSUMPTION (W)
			% OF RATED VOLTAGE (At +20 °C)			
6	30	200	57.5 Max.	10 Min.	150 Max.	1.2 Approx.
12	120	100				
24	480	50				

### CHARACTERISTICS

Contact Arrangement	1 Form A, 1 Form B, 1 Form C, 1 Form U, 1 Form V, 1 Form W.
Contact Material	Silver Alloy
Contact Resistance	50m $\Omega$ Max.
Contact Rating (Resistive Load)	1 Form A (NO) 25A 14VDC 1 Form C (NO) 15A 14VDC; (NC) 10A 14VDC 1 Form U (NO-DM) 2 X 15A/14VDC 1 Form V (NC-DB) 2 x 10A/14VDC 1 Form W : (NO) 2 x 15A; (NC) 2 x 10A
Switching Voltage	DC 75V Max.
Operate Time (Initial)	6ms Max.
Release Time (Initial)	3ms Max.
Insulation Resistance	100M $\Omega$ Min. ( 500V DC)
Dielectric Strength	750V AC(50Hz/min.) Between open contacts 1500V AC(50Hz/min.) Between coil and contact
Shock Resistance	10g Approx.
Vibration Resistance	1.27mm Double amplitude, 10-40Hz.
Ambient Temperature	Storage : -40°C to +130°C      Operating :-40°C to +85°C
Humidity	20 - 85% RH
Operation Life	Mechanical : 10 <sup>7</sup> Electrical : 10 <sup>5</sup> (At rated load)
Weight	9g Approx. (Open type), 12g Approx. (Sealed type)

[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.

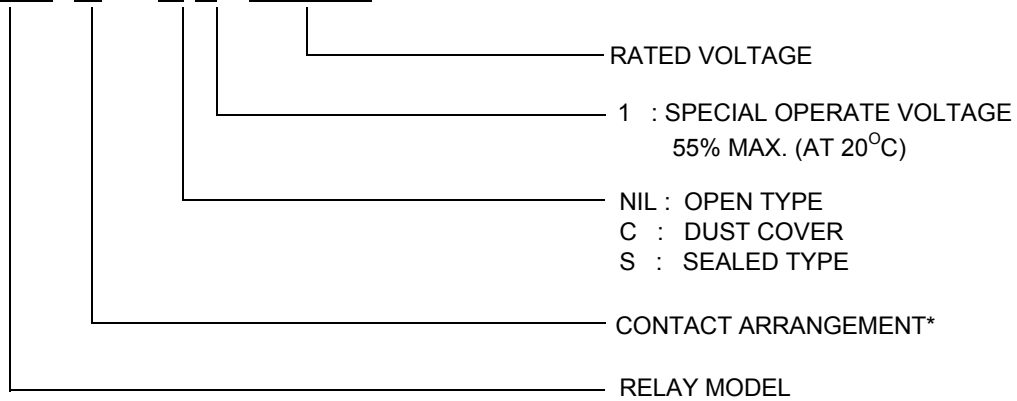
TEL : (852) 27892365    FAX : (852) 27893102    E-MAIL : sales@ficrelay.com.hk    WEBSITE : <http://www.ficrelay.com.hk>

# FRA3 RELAY



## ORDERING INFORMATION

**FRA3 C - S 1 DC12V**



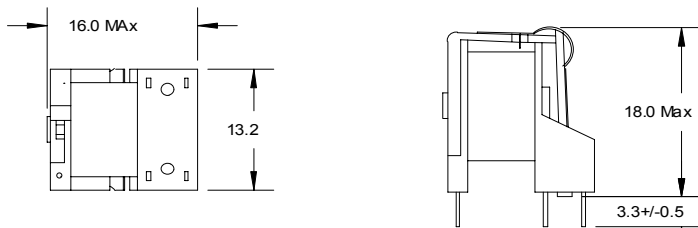
\* CONTACT ARRANGEMENT: A: 1 FORM A, B: 1 FORM B, C: 1 FORM C, U: 1 FORM U, V: 1 FORM V, W: 1 FORM W.

**Note : Pb-Free and RoHS compliant relays are available.**  
**For ordering, please add suffix "Pb-Free" or "RoHS" to standard relay part numbers.**

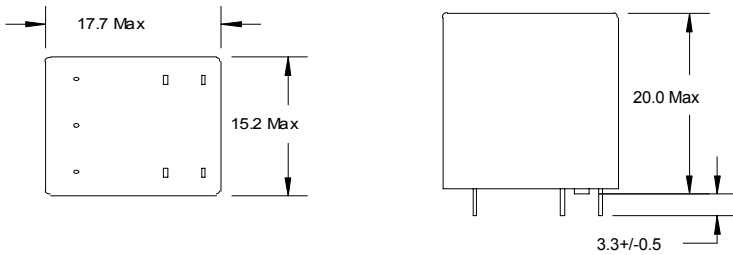
For example : FRA3C-S1 DC 12V "Pb-Free"      For Pb-Free Relay  
 For example : FRA3C-S1 DC 12V "RoHS"      For RoHS Compliant Relay

## DIMENSIONS (Unit:mm)

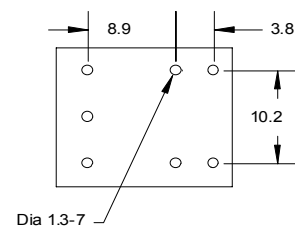
### OPEN TYPE



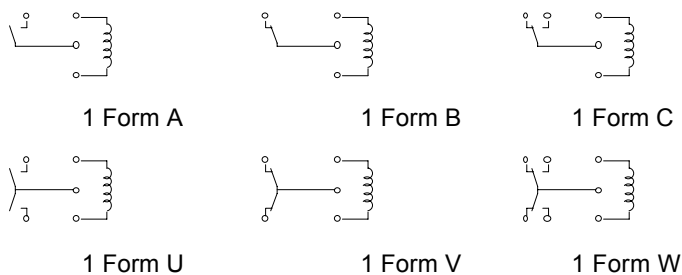
### DUST COVER TYPE / SEALED TYPE



### MOUNTING HOLES



### TERMINAL ARRANGEMENT (BOTTOM VIEW)



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[V23234A1001X043-EV-144](#) [V23086-R1851-A502](#) [898H-1AH-D1SW-R1-12VDC](#) [RH4C1P2607](#) [RE031005](#) [V23134M0052G242](#) [1393204-1](#)  
[G8N-1L-AS DC12](#) [V23076A3022D142](#) [V23074A2001A402](#)