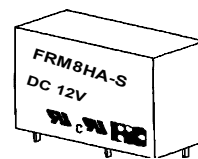


# FRM8 RELAY



## FEATURES

Subminiature, standard P.C. layout  
 High switching capacity in a compact package  
 SPST (N.O.) and SPDT (N.O. & N.C.) configurations  
 High sensitivity: 0.2W (SPST); 0.4W (SPDT)  
 Use on control, air conditioner and heating control of small appliances  
 Dust cover or sealed type



Recognized File No. : E141516

**TUV APPROVED**

Recognized File No. : R50019143

## SPECIFICATIONS

### COIL RATING

RATED VOLTAGE (V DC)	COIL RESISTANCE $\Omega$ +/-10 %		RATED CURRENT (mA)		MUST OPERATE VOLTAGE	MUST DROPOUT VOLTAGE	MAXIMUM VOLTAGE	POWER CONSUMPTION (W)
	FRM8	FRM8H	FRM8	FRM8H				
3	20	45	150	66.7	75 Max.	5 Min.	130 Max.	FRM8 0.45W  FRM8H 0.2W For "1 FORM A" ONLY
5	55	125	91	40				
6	80	180	75	33.3				
9	180	400	50	22.5				
12	320	700	37.5	16.7				
18	720	1600	25	11.2				
24	1280	2800	18.8	8.5				
48	5120	11580	9.4	4.1				

### CHARACTERISTICS

Contact Arrangement	SPST ( 1 Form A), SPDT (1 FORM C)
Contact Material	Silver Alloy
Contact Resistance	100m $\Omega$ Max. (Measured at 1A 24VDC)
Contact Rating (Resistive Load)	SPST (N.O.) : 10A 125VAC 5A 250VAC/30VDC SPDT (N.O.) : 10A 125VAC 5A 250VAC/30VDC (N.C.) : 3A 250VAC/30VDC
Switching Voltage	DC 30V Max. AC 250V Max.
Operate Time (Initial)	8ms Max.
Release Time (Initial)	5ms Max.
Insulation Resistance	1000M $\Omega$ Min. ( 500V DC)
Dielectric Strength	1000V AC (50Hz/min) Between open contacts 4000V AC (50Hz/min) Between coil and contact
Shock Resistance	Malfunction : 100m/s <sup>2</sup> Mechanical : 1000m/s <sup>2</sup>
Vibration	1.6mm 10-55Hz Double Amplitude
Ambient Temperature	-40°C to +70°C
Operation Life	Mechanical : 10 <sup>7</sup> Electrical : 10 <sup>5</sup> (At rated load)
Weight	7g 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

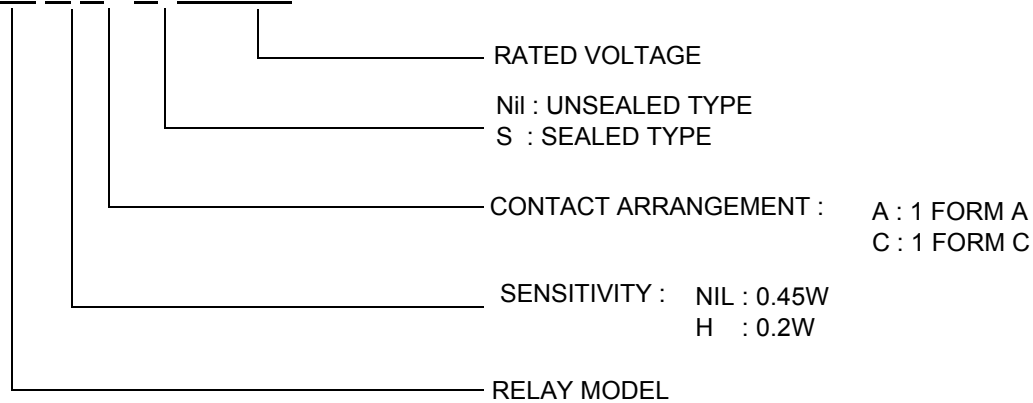
WEBSITE : <http://www.ficrelay.com.hk>

# FRM8 RELAY



## ORDERING INFORMATION

### FRM8 H A - S DC12V



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

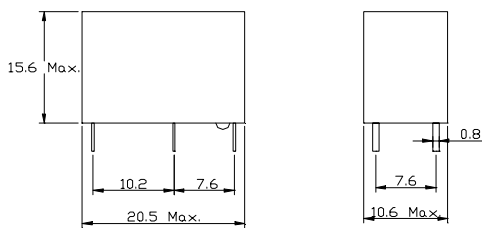
For ordering, please add suffix "Pb-Free" or "RoHS" to standard relay part numbers.

For example : FRM8A-S DC 12V "Pb-Free" for Pb-Free Relay

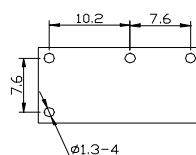
For example : FRM8A-S DC 12V "RoHS" for RoHS Compliant Relay

## DIMENSIONS(Unit:mm)

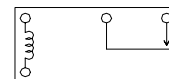
### 1 FORM A



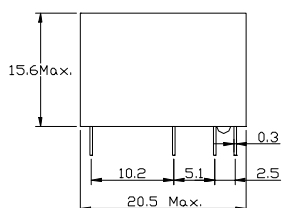
### MOUNTING HOLES



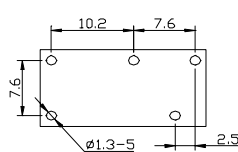
### TERMINAL ARRANGEMENT (BOTTOM VIEW)



### 1 FORM C



### MOUNTING HOLES



### TERMINAL ARRANGEMENT (BOTTOM VIEW)

