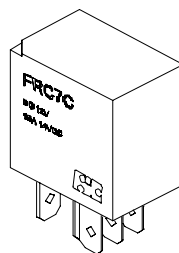


FRC7 RELAY



FEATURES

20A contact rating
High temperature design
1 Form A & 1 Form C arrangements
Ideal use for control car
Quick connect or PCB terminals



SPECIFICATION

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)
	1 Form A	1 Form C	1 Form A	1 Form C	% OF RATED VOLTAGE (AT 20°C)			
6	30	25	200	250	UNSEALED MODEL : 60 Max.	10 Min.	130 Max.	1 FORM A : 1.2W
12	120	96	100	124	SEALED MODEL : 65 Max.			1 FORM C : 1.5W
24	480	384	50	62.5				

CHARACTERISTICS

Contact Arrangement	SPST (1 Form A); SPDT (1 FORM C)
Contact Material	Silver Alloy
Contact Resistance	50m Ω Max.
Contact Rating (Resistive Load)	FRC7 NO : 25A 14VDC NC : 20A 14VDC FRC7N NO : 20A 14VDC NC : 15A 14VDC
Switching Voltage	DC 75V Max
Operate Time (Initial)	10ms Max.
Release Time (Initial)	7ms Max.
Insulation Resistance	100M Ω Min. (500V DC)
Dielectric Strength	500Vrms, 1 minute between coil and contacts
Shock Resistance	10g Approx.
Vibration Resistance	1.27mm Double Amplitude, 10-40Hz
Ambient Temperature	Storage : -40°C to +155°C Operate : -40°C to +85°C
Humidity	20 - 85% RH
Operation Life	Mechanical : 10 ⁷ Electrical : 10 ⁵ (At Rated Load)
Weight	18.5g Approx.

[Specifications are subject to change without notices.]

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

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

FRC7 RELAY



ORDERING INFORMATION

FRC7 A - S A R - DC12V

	RATED VOLTAGE
	NIL : STANDARD TYPE; N: WITH DIODE; R: WITH RESISTOR
	NIL : PLUG IN TYPE (Pin Width for #85, #86 is 4.8mm.)
	1 : PLUG IN TYPE (Pin Width for #85, #86 is 2.75mm.)
	A : PCB TYPE
	NIL : DUST COVER S : SEALED TYPE
	CONTACT ARRANGEMENT A : 1 FORM A C : 1 FORM C
	RELAY MODEL
	FRC7 - NO : 25A/14VDC NC : 20A/14VDC
	FRC7N - NO : 20A/14VDC NC : 15A/14VDC

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

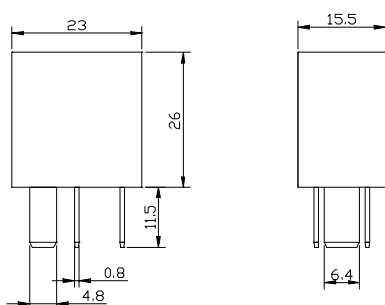
For ordering, please add suffix "Pb-Free" or "RoHS" to standard relay part numbers.

For example : FRC7A DC 12V "Pb-Free" for Pb-Free Relay

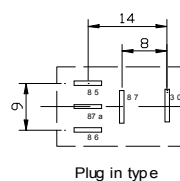
For example : FRC7A DC 12V "RoHS" for RoHS Compliant Relay

DIMENSIONS (UNIT : mm)

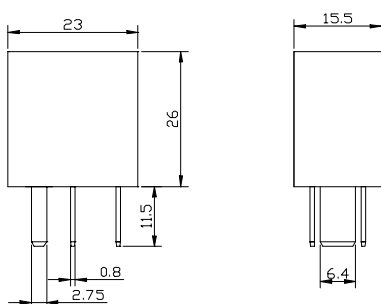
FRC7 - Plug in type with 4.8mm
pin width for pins#85 & #86



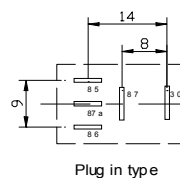
MOUNTING (BOT TOM VIEW)



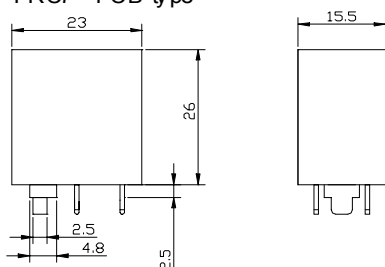
FRC7 - Plug in type with 2.75mm
pin width for pins#85 & #86



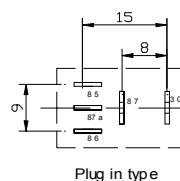
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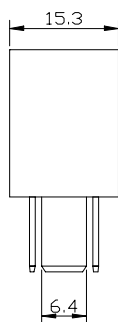
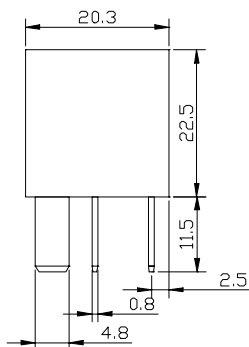
FRC7 - PCB type



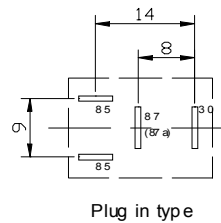
MOUNTING (BOT TOM VIEW)



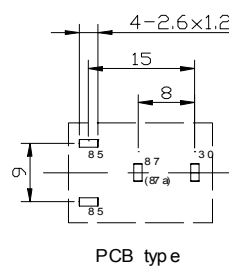
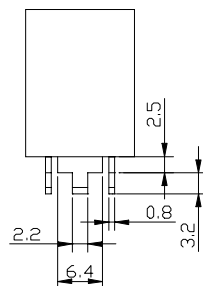
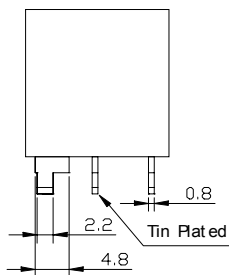
FRC7N - Plug in type



MOUNTING (BOTTOM VIEW)

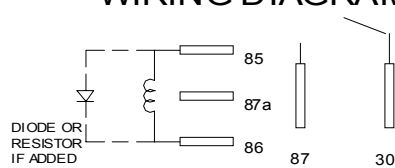


FRC7N - PCB type

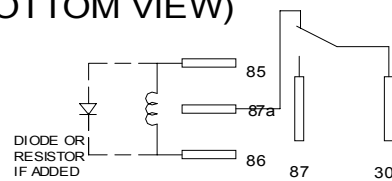


FRC7

WIRING DIAGRAM (BOTTOM VIEW)



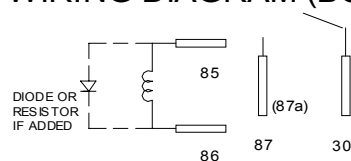
1 FORM A



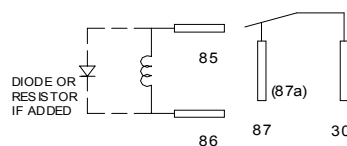
1 FORM C

FRC7N

WIRING DIAGRAM (BOTTOM VIEW)



1 FORM A



1 FORM B