

FRS16 RELAY



High Performance Relay

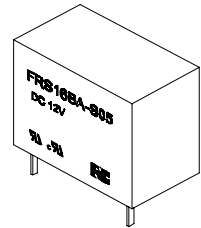
FEATURES

Subminiature & light weight relay

Surge resistiveness of 5000V

Employment of suitable plastic material for high temperature and various chemical solution

Dust cover or sealed type



APPLICATIONS

Home appliances, audio equipment, office machines, automobiles, etc.



Recognized File No. : E141516 (For "1 form A" only)

Recognized File No. : R50019143

SPECIFICATIONS

COIL RATING

RATED VOLTAGE (V DC)	COIL RESISTANCE Ω +/- 10%		RATED CURRENT		MUST OPERATE VOLTAGE	MUST DROPOUT VOLTAGE	MAXIMUM VOLTAGE	POWER CONSUMPTION (W)
	FRS16B	FRS16H	FRS16B	FRS16H	% OF RATED VOLTAGE (At +20 °C)			
3	20	45	150	67	75 Max.	5 Min.	130 Max.	FRS16B 0.45W
5	55	125	91	40				FRS16H 0.2W (FOR 1 FORM A ONLY)
6	80	180	75	33.3				
9	180	400	50	22.5				
12	320	720	37.5	16.7				
24	1280	2800	18.8	8.2				
48	5100	-	9.4	-				

CHARACTERISTICS

Contact Arrangement	SPST (1 FORM A), SPDT (1 FORM C)
Contact Material	Silver Alloy
Contact Resistance	100m Ω Max.
Contact Rating (Resistive Load)	FRS16BA : 10A 120VAC 5A 250VAC/28VDC Lamp Load : 5A/240V Rush Current 80A FRS16HA & FRS16BC : 5A 120VAC 3A 250VAC/28VDC
Operate Time (Initial)	8ms Max.
Release Time (Initial)	5ms Max.
Insulation Resistance	100M Ω Min. (DC 500V)
Dielectric Strength	750V AC Between contacts 3000V AC Between coil and contact
Shock Resistance	10g Min.
Vibration Resistance	1.5mm Double amplitude, 10 to 55Hz
Ambient Temperature	-40°C to +70°C
Humidity	45 - 85% RH
Life Expectancy	Mechanical : 18000ops/hr Electrical : 1800ops/hr
Operation Life	Mechanical : 10 ⁷ Electrical : 10 ⁵ (At rated load)
Weight	9g Approx.

[Specifications are subject to change without notices.]

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

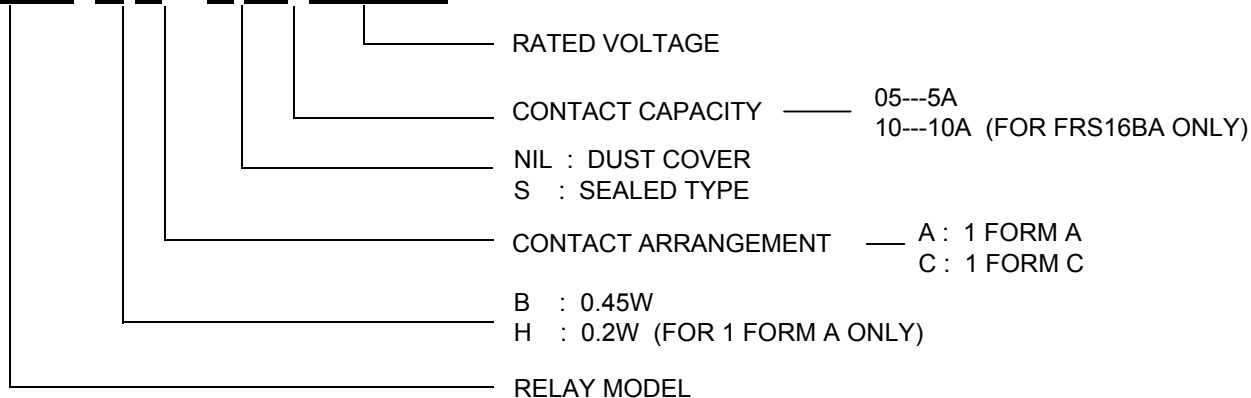
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WEBSITE : <http://www.ficrelay.com.hk>

ORDERING INFORMATION

FRS16 H A - S 05 DC12V



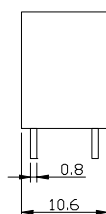
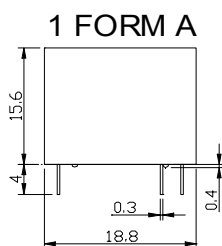
Note : Pb-Free and RoHS compliant relays are available.

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

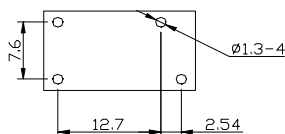
For example : FRS16BA-S05 DC 12V "Pb-Free" for Pb-Free Relay

For example : FRS16BA-S05 DC 12V "RoHS" for RoHS Compliant Relay

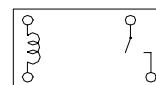
DIMENSIONS (UNIT:mm)



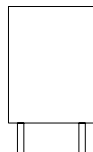
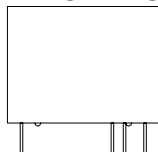
MOUNTING HOLES



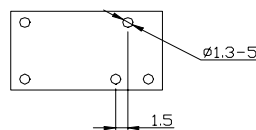
TERMINAL ARRANGEMENT (BOTTOM VIEW)



1 FORM C



MOUNTING HOLES



TERMINAL ARRANGEMENT (BOTTOM VIEW)

