

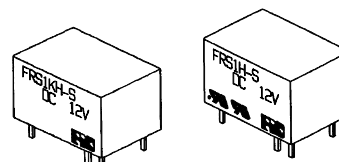
FRS1 RELAY



Subminiature SPDT RELAY

FEATURES

Low coil power consumption
Small size and low cost
PCB mounting, DIL pitch terminal
Standard and high sensitive operation use
Dust cover or sealed type



  Recognized File No: E141516(N)

SPECIFICATIONS

COIL RATING

RATED VOLTAGE (V DC)	COIL RESISTANCE Ω +/- 10 %			MUST OPERATE VOLTAGE	MUST DROPOUT VOLTAGE	MAXIMUM VOLTAGE	POWER CONSUMPTION
	FRS1(K)B	FRS1(K)	FRS1(K)H	% OF RATED VOLTAGE (AT +20°C)			(W)
3	20	25	45	75 Max.	10 Min.	110 Max.	FRS1(K)B: 0.45 FRS1(K) : 0.36 FRS1(K)H: 0.20
5	56	70	120				
6	80	100	180				
9	180	220	400				
12	320	400	700				
24	1280	1600	2800				

CHARACTERISTICS

Contact Arrangement	1 Form C (SPDT)
Contact Material	Silver Alloy (Gold Flash)
Contact Resistance	50m Ω Max.
Contact Rating (Resistive Load)	1A 125VAC / 30VDC 2A 125VAC / 30VDC 3A 125VAC / 30VDC 5A 125VAC / 30VDC (Only available for "B" type -- 0.45W)
Switching Voltage	DC60V Max. AC220V Max.
Operate Time (Initial)	5ms Max.
Release Time (Initial)	5ms Max.
Insulation Resistance	100M Ω Min. (500V DC)
Dielectric Strength	500Vrms, 1 minute between open contacts 500Vrms, 1 minute between coil and contact
Shock Resistance	10g Approx.
Vibration	10-55Hz, Double Amplitude 1.5mm
Ambient Temperature	-25°C to +75°C
Operation Life	Mechanical : 10 ⁷ Electrical : 10 ⁵
Weight	4g Approx.

[Specifications are subject to change without notices.]

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

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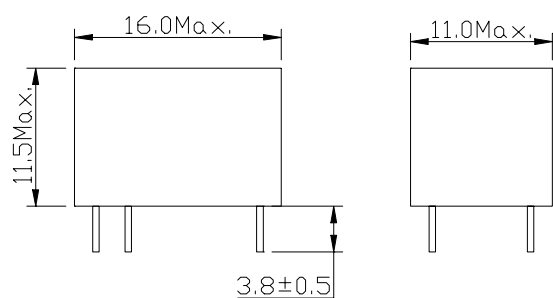
TEL : (852) 27892365 FAX : (852) 27893102 E-MAIL : sales@ficrelay.com.hk WEBSITE : <http://www.ficrelay.com.hk>

FRS1 H - S 3 - DC12V

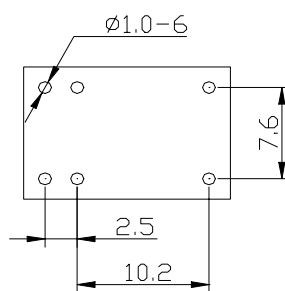
Note : Pb-Free and RoHS compliant relays are available.
For ordering, please add suffix "Pb-Free" or "RoHS" to standard relay part numbers.
For example : FRS1-S3 DC 12V "Pb-Free" for Pb-Free Relay
For example : FRS1-S3 DC 12V "RoHS" for RoHS Compliance Relay

DIMENSIONS (UNIT:mm)

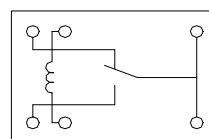
FRS1



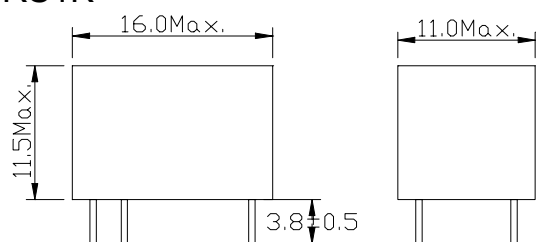
MOUNTING HOLES



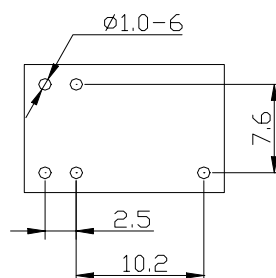
TERMINAL
ARRANGEMENT
(BOTTOM VIEW)



FRS1K



MOUNTING HOLES



TERMINAL
ARRANGEMENT
(BOTTOM VIEW)

