

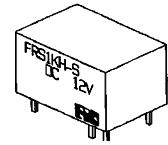
FRS1K RELAY



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 (W)
	FRS1KB	FRS1K	FRS1KH	% OF RATED VOLTAGE (AT +20°C)			
3	20	25	45	75 Max.	10 Min.	110 Max.	FRS1KB: 0.45 FRS1K : 0.36 FRS1KH: 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	SPDT (1 Form C)
Contact Material	Silver Alloy (Gold Flash)
Contact Resistance	50m Ω Max.
Contact Rating (Resistive Load)	FRS1K/FRS1KH/FRS1KB 1A 125VAC / 30VDC FRS1K-3/FRS1KH-3/FRS1KB-3 3A 125VAC / 30VDC FRS1KB-5 5A 125VAC / 14VDC
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.

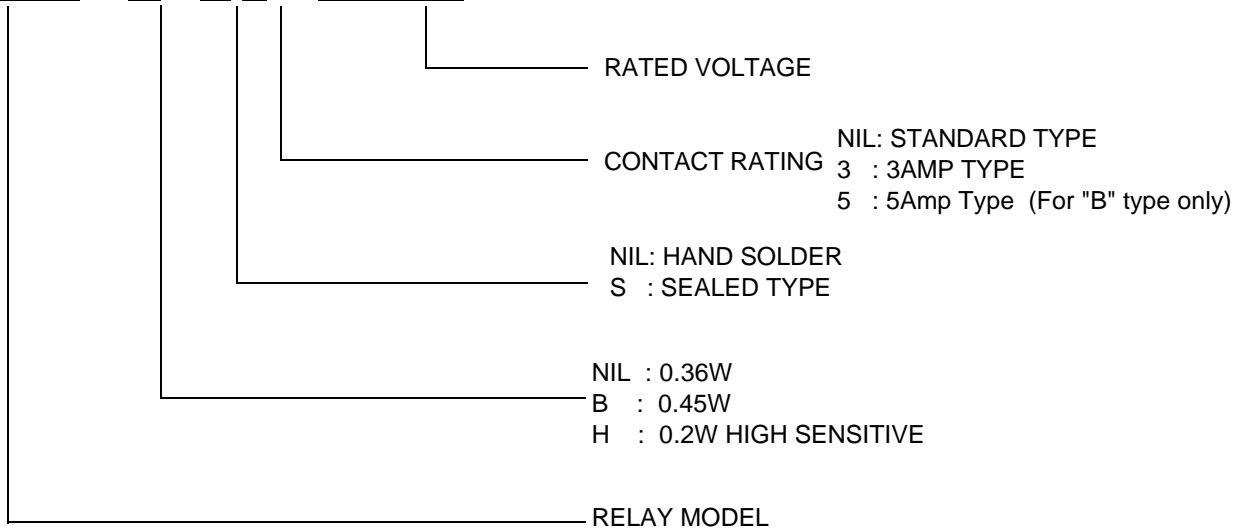
[Specifications are subject to change without notices.]

FRS1K RELAY



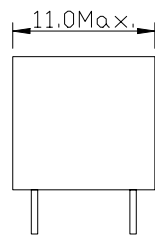
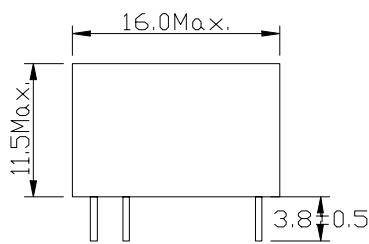
ORDERING INFORMATION

FRS1K H - S 3 - DC12V

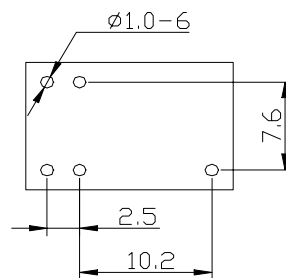


(i.e. FRS1KH-S3-DC12V is a SPDT, high sensitive 0.2W, 3Amp, fully sealed and 12VDC coil relay.

DIMENSIONS (UNIT:mm)



MOUNTING HOLES



TERMINAL ARRANGEMENT (BOTTOM VIEW)

