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	COIL RESISTANCE Ω +/- 10 %			MUST OPERATE VOLTAGE	MUST DROPOUT VOLTAGE	MAXIMUM VOLTAGE	POWER CONSUMPTION
(V DC)	FRS1(K)B	FRS1(K)	FRS1(K)H	% OF R	ATED VOLTAGE (A	Γ +20°C)	(W)
3	20	25	45				
5	56	70	120				FRS1(K)B: 0.45
6	80	100	180	75 Max.	10 Min.	110 Max.	FRS1(K): 0.36
9	180	220	400				FRS1(K)H: 0.20
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.			
	1A 125VAC / 30VDC			
Contact Rating (Resistive Load)	2A 125VAC / 30VDC			
(Neologive Load)	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	100MΩ Min. (500V DC)			
Dielectric Strength	500Vrms, 1 minute between open contacts			
Dielectric Strength	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			
Operation Life	Electrical : 10 ⁵			
Weight	4g Approx.			

[Specifications are subject to change without notices.]

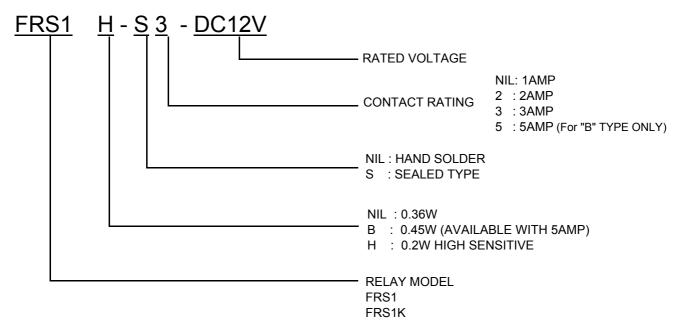
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ORDERING INFORMATION



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

