

FRA12D



Miniature Double Relay

- Miniature and light weight twin relay
- PCB Mounting
- Use for car control
(i.e. alarm, door, locking system, etc.)
- Sealed type is available

Technical data

Characteristics

- Contact Arrangement: 2 x SPST (1 Form A), 2 x SPDT (1 Form C)
- Contact Material: Silver Alloy
- Contact Resistance: 50mΩ Max.
- Contact Rating (Resistive Load):
 - NO: 20A 14VDC 10A 24VDC
 - NC: 10A/14VDC 7A 24VDC
- Switching Voltage: DC 30V
- Operate Time (Initial): 10 ms Max.
- Release Time (Initial): 5 ms Max.
- Insulation Resistance: 100MΩ Min. (500V DC)
- Dielectric Strength:
 - 500V AC (50 Hz/min.) between open contacts
 - 1000V AC (50Hz/min.) between coil and contact
- Shock Resistance: 10g
- Vibration Resistance: 1.5 mm, Double Amplitude 10-55 Hz
- Ambient Temperature: -30 °C to +80 °C
- Humidity: 45 - 85% RH
- Operation Life:
 - Mechanical: 10⁷
 - Electrical: 10⁵ (At rated load)
- Weight: 15g Approx.

Coil rating

Rated Voltage (V DC)	Coil Resistance Ω +/- 10%	Rated Current (mA)	Must operate voltage	Must dropout voltage	Maximum voltage	Power consumption (W)
			% of rated voltage (at +20 °C)			
5	55	91	75 Max.	5 Min.	130	0.45
6	80	75				
9	180	50				
12	320	37.5				
24	1280	18.8				

Ordering information

FRA12D	C - S	DC 12V	Rated voltage
			NIL: Hand solder type S: Sealed type
			Contact arrangement: A: 2 x 1 Form A C: 2 x 1 Form C
			Relay model

DIMENSIONS (mm)

