

FRA11D



Double Mini & Silent Type Relay

- Miniature and light weight twin relay
- Silent version is available (Operation Noise <50dB)
- Use for car control applications
- PCB terminal in grid 1.25 - 1.27mm
- 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: 30mΩ Max. (or 30mV at 10A Max.)
- Contact Rating (Resistive Load): 20A 14VDC
- Maximum Switching Voltage: 40VDC
- Maximum Switching Current: 35A
- Operate Time (Initial): 5 ms Max.
- Release Time (Initial): 3 ms Max.
- Insulation Resistance: 100MΩ Min. (500V DC)
- Dielectric Strength: 500V AC (50 Hz/min.)
- Shock Resistance: 6ms up to 30g
- Vibration (Resistance): 6g (10 - 200 Hz)
- Ambient Temperature: -40 °C to +85 °C
- Humidity: 40 - 85% RH
- Operation Life:
 - Mechanical: 10⁷
 - Electrical: 2 x 10⁵ (At rated load)
- Weight:
 - FRA11D: 11g Approx.
 - FRA11DS: 17g Approx.

Coil rating

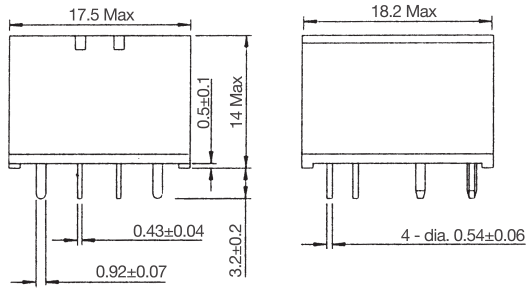
Rated Voltage (VDC)	Coil Resistance Ω +/- 10%	Must operate voltage VDC	Must dropout voltage VDC (at +20 °C)	Maximum voltage VDC	Power consumption (W)

Ordering information

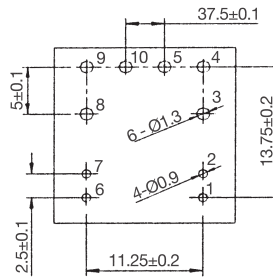
FRA11D	C	-	S	1	DC 12V	
						Rated voltage
						1: 0.56W 2: 0.8W
						NIL: Hand solder S: Sealed type <Washable>
						Contact arrangement: A = 1 Form A C = 1 Form C
						Relay model: FRA11D: Standard type FRA11DQ: Silent type

DIMENSIONS (mm)

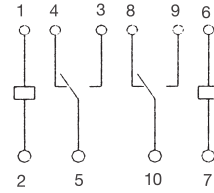
FRA 11D
Standard type



Mounting holes



Terminal Arrangement
Bottom view



FRA 11DQ
Silent type

