

FRM1H



- Miniature high power relay with big performance in small package
- High contact capacity
- Designed for the use of heavy duty
- Slim type and low cost
- Dust cover and sealed type is available



Technical data

Characteristics

- Contact Arrangement: SPST (1 Form A /1 Form B), SPDT (1 Form C)
- Contact Material: Silver Alloy
- Contact Resistance: 50mΩ Max. (Drop 24V DC 1A)
- Contact Rating (Resistive Load): 20A 277VAC/24VDC 1HP 240V AC
- Switching voltage: DC30V/AC 277V Max.
- Operate Time (Initial): 15 ms Max.
- Release Time (Initial): 5 ms Max.
- Insulation Resistance: 1000MΩ Min. (500V DC)
- Dielectric Strength:
 - 1000V AC (50 Hz/min.) between open contacts
 - 4000V AC (50 Hz/min.) between coil and contacts
- Ambient Temperature: -40 °C to +85 °C
- Humidity: 20 - 85% RH
- Operation Life:
 - Mechanical: 5 x 10⁶
 - Electrical: 1 x 10⁵ 12A 277VAC/24VDC 1HP 240VAC
 0.5 x 10⁵ 16A 277VAC/24VDC
 2 x 10⁴ 20A 277VAC/24VDC
 0.25 x 10⁵ 8A Tungsten 120VAC (TV-8)
- Weight: 18g 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	47	106	70 Max.	10 Min.	110 Max.	0.53 Approx.
6	68	88				
9	160	56				
12	275	44				
24	1100	22				
48	4170	11.5				

Ordering information

FRM1H - 1C S 2 - DC 12V

Rated voltage

Terminal space 5.0mm

NIL: Dust cover
S: Sealed type

Contact arrangement:
1C = 1 Form C
1A = 1 Form A

Relay model

DIMENSIONS (mm)

