

FRM10NH



- Miniature relay (15.7mm height)
- 16Amp switching
- Dielectric strength 5000 Vrms
- Isolation spacing greater than 8mm
- Sealed type is available

Recognized File No.: E 141516

Technical data

Characteristics

- Contact Arrangement: SPST (1 Form A), SPDT (1 Form C)
- Contact Material: Silver Alloy
- Contact Resistance: 50mΩ Max.
- Contact Rating (Resistive Load): 16A 250VAC/30VDC
- Switching Voltage: 440VAC Max.
- Operate Time (Initial): 10 ms Max.
- Release Time (Initial): 5 ms Max.
- Insulation Resistance: 500MΩ Min. (500V DC)
- Dielectric Strength:
 - 1000V AC (50 Hz/min.) between open contacts
 - 5000V AC (50 Hz/min.) between coil and contact
- Ambient Temperature: -40 °C to +85 °C (For F Class: up to 155 °C)
- Humidity: 20 - 85% RH
- Operation Life:
 - Mechanical: 10⁷
 - Electrical: 5 x 10⁴ (At rated load)
- Weight: 13.5g Approx.

Coil rating

Rated Voltage (VDC)	Coil Resistance Ω +/- 10%	Must operate voltage	Must dropout voltage	Maximum voltage	Power consumption (W)
		% of rated voltage (at +20 °C)			
5	61	70 Max.	10 Min.	130 Max.	0.41 Approx.
6	85				
9	198				
12	351				
18	790				
24	1400				
48	5620				
60	8780				

Ordering information

FRM10NH	- 1C	S	2	DC 12V	F	
						NIL: Standard (85 °C) F: F Class (155 °C)
						Rated voltage
						Terminal space 5.0mm
						NIL: Dust cover S: Sealed type
						Contact arrangement: 1A = 1 Form A 1C = 1 Form C
						Relay model

DIMENSIONS (mm)

