

FRM10L



- Miniature heavy duty relay (12.3mm height)
- 8A switching capabilities
- Dielectric strength 5000Vrms
- Isolation spacing greater than 8mm
- Dust cover or sealed type

Recognized File No.: E 141516

Technical data

Characteristics

- Contact Arrangement: SPST (1 Form A), SPDT (1 Form C)
- Contact Material: Silver Alloy (Gold Flash Contact)
- Contact Resistance: 100mΩ Max. (Measured at 1A 6VDC)
- Contact Rating (Resistive Load): 8A 250VAC/30VDC
- Switching Voltage: 240VDC/440VAC
- Operate Time (Initial): 7 ms Max.
- Release Time (Initial): 3 ms Max.
- Insulation Resistance: 1000MΩ Min. (500V DC)
- Shock Resistance: Functional 100m/s², Destructive 1000m/s²
- Dielectric Strength:
 - 1000V AC (50 Hz/min.) between open contacts
 - 5000V AC (50 Hz/min.) between coil and contact
- Surge Voltage: 10,000V between coil to contact
- Ambient Temperature: -40 °C to +85 °C
- Humidity: 35 - 85% RH
- Operation Life:
 - Mechanical: 2 x 10⁷ (72000 Ops/hr)
 - Electrical: 1 x 10⁵ (At rated load) (360 Ops/hr)
- Weight: 8.2g Approx.

Coil rating

Rated Voltage (VDC)	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	113	44	75 Max.	10 Min.	230	0.25 Approx.
6	164	36.7				
9	360	25				
12	617	19.3				
24	2350	10.2				
48	9600± 15%	5				
60	12500±15%	4,8				

Ordering information

FRM10L	- 1C	S	1	DC 12V	G	
						Gold Flash
						Rated voltage
						1: Terminal space 3.2mm 2: Terminal space 5mm (for 1 Form A only)
						NIL: Dust cover S: Sealed type
						Contact arrangement: 1A = 1 Form A 1C = 1 Form C
						Relay model

DIMENSIONS (mm)

