

FRT2N



Subminiature Light Duty Relay

- Low power consumption 150mW
- Low profil and light weight
- Dual in-line configuration as IC (2.54mm)
- Use on telecommunications, remote control, etc.
- Sealed type

  Recognized File No.: E 141516

Technical data

Characteristics

- Contact Arrangement: DPDT (2 Form C)
- Contact Material: Silver Alloy (Gold Plated)
- Contact Resistance: 50mΩ Max.
- Contact Rating (Resistive Load): 1.25A 24VDC
- Switching Voltage: DC 60V Max. AC125V Max.
- Switching Current: 2A Max.
- Operate Time (Initial): 6 ms Max.
- Release Time (Initial): 5 ms Max.
- Insulation Resistance: 1000MΩ Min. (500V DC)
- Dielectric Strength:
 - 750Vrms 1 minute between open contacts
 - 1000Vrms 1 minute between coil and contact
- Shock Resistance: 30g (300m/s²)
- Vibration: 10g (10-70Hz)
- Ambient Temperature: -40 °C to +85 °C
- Operation Life:
 - Mechanical: 10⁷
 - Electrical: 10⁶ at 1.25A or 10⁵ at 2A
- Weight: 5g Approx.

Coil rating

Rated Voltage (V DC)	Coil Resistance Ω +/- 10%				Must operate voltage	Must dropout voltage	Maximum voltage	Power consumption (W)
	FRT2NB (0.50W)	FRT2N (0.36W)	FRT2NH (0.20W)	FRT2NH-1 (0.15W)				
4,5	36	56.25	101	135	70 Max.	10 Min.	130 Max.	FRT2NB : 0.50W FRT2N : 0.36W FRT2NH : 0.20W FRT2NH1: 0.15W
5	45	69.4	125	166.7				
6	70	100	180	240				
9	140	225	405	540				
12	280	400	720	960				
24	1070	1600	2880	3840				
48	4300	6400	7680 (0.3W)					

For 48VDC FRT2NH and FRT2NH-1 are only available with power consumption 0.3W

Ordering information

FRT2N H - S - DC 12V

Rated voltage

S: Sealed type

Power consumption:

B: 0.5W

NIL: 0.36W

H: 0.2W (For 48 VDC coil, it is only 0.3W)

H1: 0.15W (For 48 VDC coil, it is only 0.3W)

Relay model

DIMENSIONS (mm)

