

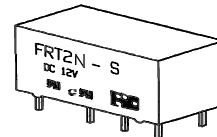
FRT2N RELAY



Subminiature Light Duty RELAY

FEATURES

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



Recognized File No. : E141516

SPECIFICATIONS

COIL RATING

| RATED VOLTAGE (V DC) | COIL RESISTANCE Ω +/- 10 % | | | | MUST OPERATE VOLTAGE | MUST DROPOUT VOLTAGE | MAXIMUM VOLTAGE | POWER CONSUMPTION (W) |
|----------------------|--------------------------------------|---------|-------------|---------|----------------------|----------------------|-----------------|--|
| | FRT2NB | FRT2N | FRT2NH | FRT2NH1 | | | | |
| | (0.50W) | (0.36W) | (0.2W) | (0.15W) | | | | |
| 4.5 | 36 | 56.25 | 101 | 135 | 70 Max. | 10 Min. | 130 Max. | FRT2NB : 0.50W FRT2N : 0.36W FRT2NH : 0.2W FRT2NH1 : 0.15W * Note : For 48VDC, FRT2NH and FRT2NH-1 are only available with power consumption 0.3W. |
| 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) | | | | | |

CHARACTERISTICS

| | |
|---------------------------------|--|
| Contact Arrangement | DPDT (2 form C) |
| Contact Material | Silver Alloy (Gold Plated) |
| Contact Resistance | 50m Ω Max. |
| Contact Rating (Resistive Load) | 1.25A 24VDC |
| Switching Voltage | DC60V Max. AC 125V Max. |
| Switching Current | 2A Max. |
| Operate Time (Initial) | 6ms Max. |
| Release Time (Initial) | 5ms Min. |
| Insulation Resistance | 1000M Ω Min. (500V DC) |
| Dielectric Strength | 750Vrms, 1 minute between open contacts 1000Vrms, 1 minute between coil and contact |
| Shock Resistance | 30g (300 m/s ²) |
| Vibration | 10g (10-70Hz) |
| Ambient Temperature | -40°C to +85°C |
| Operation Life | Mechanical : 10 ⁷ Electrical : 10 ⁶ At 1.25A or 10 ⁵ At 2A |
| Weight | 5g Approx. |

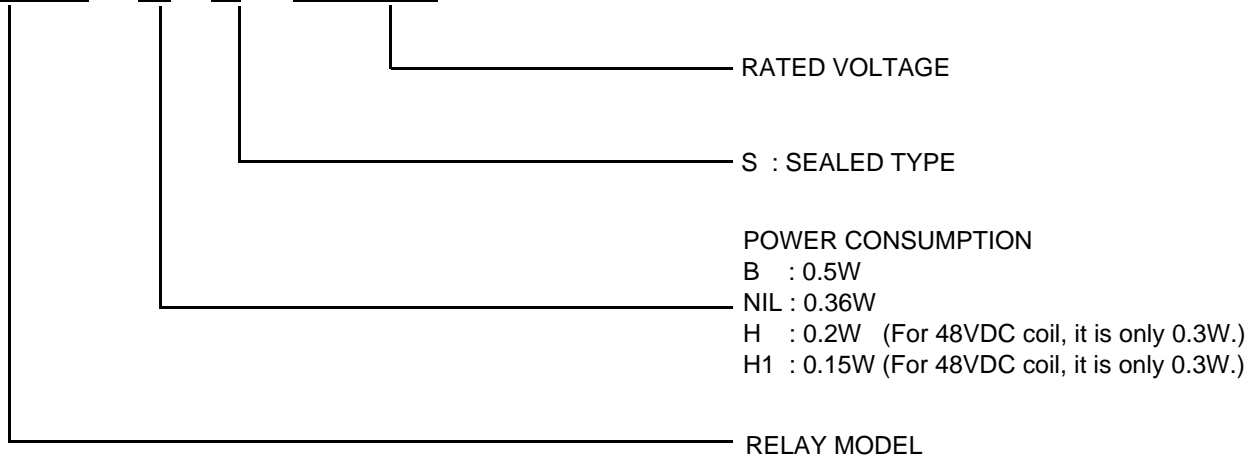
[Specifications are subject to change without notices.]

FRT2N RELAY



ORDERING INFORMATION

FRT2N H - S - DC12V



(i.e. FRT2NH-S-DC5V is a DPDT, 0.15W, fully sealed, 5VDC coil relay.)

DIMENSIONS (UNIT:mm)

