Features

High sensitivity: 150mW
PCB mounting: Dil pitch terminal
Use on telecommunication, domestic appliances, office, machines, audio equipment
Dust cover or wash tight type

cUus: E141516

Ordering information

FRT4 H C - S DC12V
1 2 3 4 5

1 Relay model 2 Power consumption: NIL: 0.20W; H:0.15W 3 Contact arrangement: A: 1 Form A; C: 1 Form C 4 Construction: NIL: Dust cover; S: Wash tight type	5 Rated voltage Note: RoHS : RoHS compliant relay RoHS-I : AgNi contact

Coil rating

Rated voltage (V)	Coil resistance Ω+/-10%		Rated current (mA)		Must operate voltage	Must dropout voltage	Maximum voltage	Power consumption (W) Approx.	Operate time (ms)	Release time (ms)
	FRT4	FRT4H	FRT4	FRT4H	% of rated voltage (at 20°C)					
1.5	11.3	15	132.7	100						
3	45	60	66.7	50				FRT4:		
5	125	167	40	29.9				0.20		
6	180	240	33.3	25	80 Max.	10 Min.	150 Max.		<5	<5
9	405	540	22.2	16.7				FRT4H:		
12	720	960	16.7	12.5				0.15		
24	2880	3840	8.3	6.3						

CAUTION: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2. Pickup and release voltage are for test purposes only and are not to be used as design criteria.

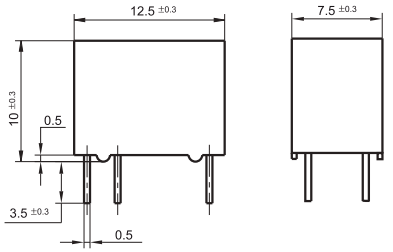
Characteristics

Contact arrangement		SPST (1 Form A); SPDT (1 Form C)
Contact material		Silver alloy
Contact resistance		100mΩ Max. (at 1A 6VDC)
Contact rating (resistive)		0.5A 125VAC / 1A 30VDC
Switching current		1A Max.
Switching power		62.5VA / 30W Max.
Switching voltage		AC 125V / DC 60V Max.
Switching capacity		62.5VA / 30W
Bounce time		5ms Max.
Insulation resistance		1,000MΩ Min. (500VDC)
Dielectric strength		400VAC (50Hz/min) Between open contacts 1,000VAC (50Hz.min) Between coil and contact
Shock resistance		100m/s² 11ms
Vibration resistance		3.3mm Double amplitude 10-55Hz
Ambient temperature		-30°C to +70°C
Humidity		85% RH, 40°C
Operation life	Mechanical	5 x 10^6 (36,000 ops/hr)
	Electrical	1 x 10^5 (1,800 ops/hr)
Weight		2.2g Approx.

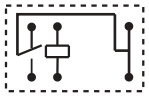
(Specifications are subject to change without notices.)

Dimensions

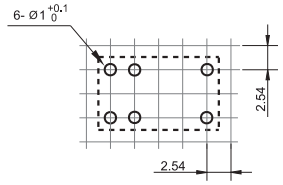
mm



Wiring diagram (Bottom view)

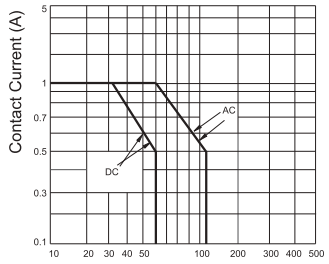


Mounting holes



Reference data

MAXIMUM SWITCHING POWER



ENDURANCE CURVE