

Signal Relays

El.italia serie FW-FRT4

Features

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



CEus: 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 $\Omega \pm 10\%$		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						
1.5	11.3	15	132.7	100	80 Max.	10 Min.	150 Max.	FRT4: 0.20	<5	<5
3	45	60	66.7	50						
5	125	167	40	29.9						
6	180	240	33.3	25						
9	405	540	22.2	16.7						
12	720	960	16.7	12.5						
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.

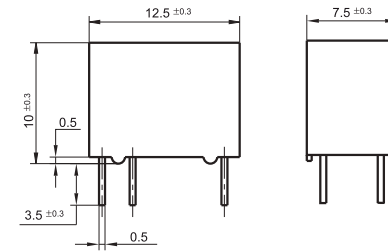
Characteristics

Contact arrangement	SPST (1 Form A); SPDT (1 Form C)	
Contact material	Silver alloy	
Contact resistance	100m Ω 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	1,000M Ω Min. (500VDC)	
Dielectric strength	400VAC (50Hz/min) Between open contacts 1,000VAC (50Hz.min) Between coil and contact	
Shock resistance	100m/s ² 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.	

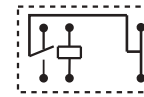
(Specifications are subject to change without notices.)

Dimensions

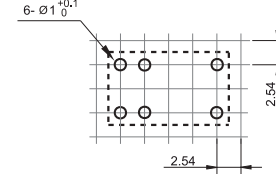
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Wiring diagram (Bottom view)

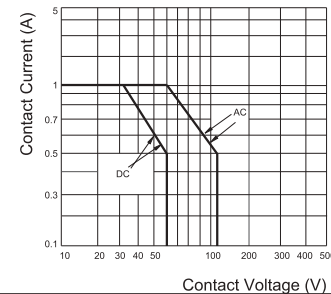


Mounting holes



Reference data

MAXIMUM SWITCHING POWER



ENDURANCE CURVE

