Features

Small size and slim type (5mm wide & 12.5mm high) Switching capacity up to 5A 3KV dielectric strength High sensitivity 0.12W Wash tight type





c us: E141516 **40008356**

Ordering information

	FRM18	Α	-	5	DC12V	E	G
ı	1	2		3	4	5	6

1 Relay model: FRM18; FRM18N 2 Contact arrangement: A: 1 Form A

3 Contact rating: 5: 5A

4 Rated voltage

5 Insulation: NIL: B class; F: F class

6 Contact material: NIL: AgNi; N: AgSnO2;

G : Gold plated

Note: RoHS: RoHS compliant relay RoHS-I : AgNi contact RoHS-N: AgSnO, contact

Coil rating

Rated voltage	Coil resistance	Rated current	Must operate voltage	Must dropout voltage	Maximum voltage	Power consumption (W)	Operate time	Release time
(V)	Ω+/-10%	(mA)	% of rated voltage (at 20°C)			Арргох.	(ms)	(ms)
5	208	24	70 Max.	5 Min.	120 Max.	0.12 0.18 (for 24VDC)	<10	<5
6	300	20						
9	675	13.3						
12	1200	10						
18	2700±15%	6.7						
24	3200±15%	7.5						

CAUTION: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay. 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)				
Contact material		Sliver alloy				
Contact resista	nce	≤100mΩ Max. (at 1A 6VDC)				
Contact rating (resistive)	5A 250VAC/30VDC				
Switching power	ır	1,250VA / 150W				
Switching voltage		AC 250V / DC 30V Max.				
Insulation resistance		1,000MΩ Min. (500VDC)				
Dielectric strength		1,000VAC (50Hz/min) Between open contacts 2,000VAC (50Hz/min) Between coil and contact (Special: 3,000VAC)				
Surge voltage		4,000KV (1.2 x 50 us)				
Shock resistance		Functional: 98m/s² 11ms Destructive: 980m/s² 6ms				
Vibration resistance Ambient temperature		1.5mm Double amplitude 10-55Hz -40°C to +85°C				
						Humidity
Operation life	Mechanical Electrical	2 x 10 ⁷ 1 x 10 ⁸				
Weight		3g Approx.				

(Specifications are subject to change without notices.)







