

FRL9

MAGNET LATCHING RELAY

FEATURES

Magnet Latching Relay
High Sensitivity & Reliability
Well Anti-shock and Anti-vibration
Heavy Contact Load (100A Max.)
Sealed Type is Available.



SPECIFICATIONS

COIL RATING

RATED VOLTAGE (V DC)	COIL RESISTANCE Ω +/- 10%	SWITCHING VOLTAGE (VDC) (50%~70% OF RATED VOLTAGE)	PULSE MAGNITUDE (ms)	COIL POWER CONSUMPTION (W)	OPERATE TIME (ms)	RESET TIME (ms)
9	81	4.5 ~ 6.3	•60	1	•20	•20
12	144	6.0 ~ 8.4				
24	576	12.0 ~ 16.8				

CHARACTERISTICS

Contact Arrangement	1 Form A ; 1 Form B		
Contact Material	Silver Alloy		
Contact Rating (Resistive Load)	80A 250VAC	60A/250VAC	40A/250VAC
Max. Switching Power	20000VA	15000VA	10000VA
Max. Switching Voltage	300VAC		
Max. Switching Current	80A		
Contact Resistance	• 50m Ω (at 1A/24VDC)		
Voltage Drop	• 100mV (at rated load)		
Operate Time (Initial)	•20		
Release Time (Initial)	•20		
Insulation Resistance	1000M Ω Min. (at 500V DC)		
Dielectric Strength	1500VAC (50Hz/min) between open contacts 4000VAC (50Hz/min) between coil and contact		
Creepage Distance	8.4mm		
Shock Resistance	Functional : 100m/s ² ; Endurance : 1000m/s ² 11ms		
Vibration Resistance	1.5mm Double Amplitude 10-55Hz		
Ambient Temperature	-25°C to +70°C		
Humidity	85% RH (at 40°C)		
Operation Life	Mechanical : 10 ⁶ Electrical : 10 ⁴ (At rated load)		
Weight	33g Approx.		

[Specifications are subject to change without notices.]

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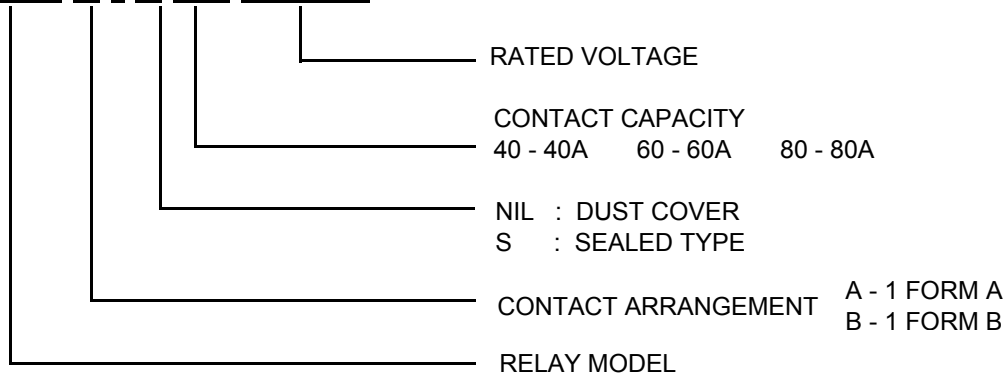
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WEBSITE : <http://www.ficrelay.com.hk>



ORDERING INFORMATION

FRL9 A - S 40 DC12V



Note : Pb-Free and RoHS compliant relays are available.

For ordering, please add suffix "Pb-Free" or "RoHS" to standard relay part numbers.

For example : FRL9A-S40 DC 12V "Pb-Free" for Pb-Free Relay

For example : FRL9A-S40 DC 12V "RoHS" for RoHS Compliant Relay

DIMENSIONS (UNIT:mm)

Wiring Diagram:

