

Main Feature

- 1. EMI-1P Series Relays are designed for switching capacity by 12A to comply with industrial control system use.
- 2. Slim type and low profile (29.0 x 12.7 x 15.0) is developed to provide end users with more flexibility in PC Board
- 3. Low power consumption and both AC and DC coil available.
- 4. Proper insulation distance is equipped to ensure EMI will has a 5000VAC dielectric strength between contact and
- 5. Complete protective construction from dust and soldering flux is designed. If required, plastic epoxy resin sealed type is available for washing procedure.

Application:

Cooking appliance, audio equipment, domestic appliance and controlling equipment, etc.

Contact Rating:

Nominal Load (Resistive)					
Contact Capacity:	.12A at 250VAC.				
	12A at 30VDC				
Rated Carrying Current	.12A.				
Max. Allowable Current	.12A.				
Max. Allowable Voltage	.AC 250V, DC 110V.				
Max. Allowable Power Force	e 3,000VA, 360W.				
Min. Switching Load	.DC 5V, 10 mA.				
Contact Material	.Ag Alloy				
Contact Form	SPDT, SPST				

Performance (at Initial Value)

Contact Resistance	100 mΩ Max. @1A,6VDC
Operate Time	12 mSec. Max.
Release Time	8 mSec. Max.
Dielectric Strength:	
Between Coil & Contact	5,000VAC at 50/60 Hz
	for one minute.
Between Contacts	1,000VAC at 50/60 Hz
	for one minute.
Surge Resistance	3,000V (between coil
	& contact 1.2x50μSec.)
Insulation Resistance	100M Ω Min. at
	500VDC

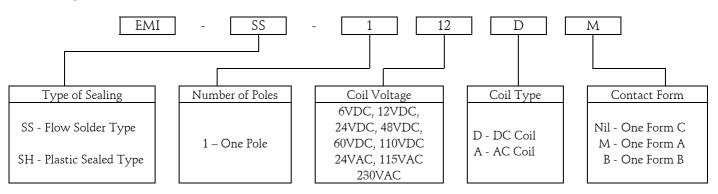
	Max. On/Off Switching:	
	Electrical	
	Mechanical	. 300 Ops per Minute.
	Temperature Range	40∼85 °C.
	Humidity Range	. 45~85% RH.
	Coil Temperature Rise	. 30 °C Max.
	Vibration:	
	Endurance	. 10 to 55 Hz dual
		amplitude width 1.5 mm
	Error Operation	
	1	amplitude width 1.5 mm.
	Shock:	1
	Endurance	. 1,000 m/S ² Min.
	Error Operation	. 100 m/S ² Min.
	Life Expectancy:	
	Electrical	. 10^5 Operations at
		Rated Resistive Load.
	Mechanical	. 10^7 Operations at
		No load condition.
	Weight	
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C-UL	E141060
TUV	DO 50006600

Coil Specification (at 20 °C):

Coil Sensitivity	Nominal Voltage	Nominal Current (mA)		Coil Resistance (Ω±10%)		Power Consumption (W)		Pull-In Voltage	Drop-Out Voltage (VDC)	Maximum Allowable Voltage
	voitage	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	(VDC)	voltage (VDC)	(VDC)
	6		66.7		90					
	12		33.3	3	60					
EMI	24		16.7	1,4	1,440		Abt. 0.40		5%	
DC Coil	48		8.7	5,5	20	A01. 0.40		80% Maximum	Minimum	130%
	60		8.2	7,3	40					
	110		4.1	26,5	30					
EMI	24	24 29.75 2		3	50	0.71	0.61		30%	
AC Coil	115	7.65	6.3	81	00	0.88	0.73		Minimum	
AC COII	230	3.42	2.72	325	500	0.79	0.63		IVIIIIIIIIIIIIII	

Ordering Information:



Dimension:

EMI-SS/SH

