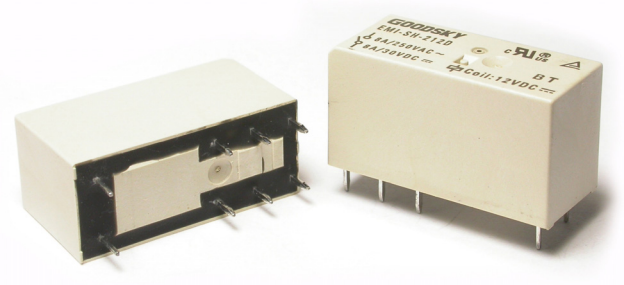
EMI-2P



Main Feature

1. EMI-2P Series Relays are designed for switching capacity by 8A to comply with industrial control system use.
2. Slim type and low profile (29.0 x 12.6 x 15.6) is developed to provide end users with more flexibility in PC Board design.
3. Low power consumption and both AC and DC coil available.
4. Proper insulation distance is equipped to ensure EMI will have a 5000VAC dielectric strength between contact and coil.
5. Complete protective construction from dust and soldering flux is designed. If required, plastic epoxy resin sealed type is available for washing procedure.
6. In accordance with IEC 60335-1 and IEC 60730-1.
7. Halogen Free series is available.

Contact Rating

Load Type	EMI (DM/DB)	EMI (D)	EMI (AM/AB)	EMI (A)
Rated Load (Resistive)	8A 250VAC	8A 250VAC	8A 250VAC	8A 250VAC
	8A 30VDC	8A 30VDC	8A 30VDC	8A 30VDC
Rated Carrying Current	8A	8A	8A	8A
Max. Allowable Voltage	AC: 250V	AC: 250V	AC: 250V	AC: 250V
	DC:300V	DC:300V	DC:300V	DC:300V
Max. Allowable Current	8A	8A	8A	8A
Max. Allowable Power Force	2,000VA	2,000VA	2,000VA	2,000VA
	240W	240W	240W	240W
Contact Material	Ag Alloy	Ag Alloy	Ag Alloy	Ag Alloy
Contact Form	DPST	DPDT	DPST	DPDT

Max Allowable Voltage: 300VDC@0.2A

Application

Cooking Appliance, Audio Equipment, Domestic Appliance and Controlling Equipment…etc.

Performance (at Initial Value)

- Contact Resistance ..... 100 mΩ Max. @1A,6VDC
- Operate Time ..... 12mSec. 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 Strength: ..... 10,000V (between coil & contact 1.2x50μSec.)
- Insulation Resistance ..... 100MΩ Min at 500VDC.
- Max. On/Off Switching:
  - Electrical ..... 20 Cycles per Minute.
  - Mechanical ..... 300 Cycles 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 ..... 10 to 55 Hz dual amplitude width 1.5 mm.
- Shock:
  - Endurance ..... 1,000 m/S^2.
  - Error Operation ..... 100 m/S^2.
- Life Expectancy:
  - Electrical ..... 10^5 Operations at Rated Resistive Load.
  - Mechanical ..... 10^7 Operations at No load condition.
- Weight ..... About 12.5 g.

Accessories & Sockets

- PI-50BE ..... See Page 175
- PI-50BE/3 ..... See Page 175
- PI-50-0 ..... See Page 177

Safety Standard & Its File Number

- UL & C-UL……..……..E141060
- TÜV……R50008958
- VDE……40009648
- CQC……02001002511

EMI-2P

Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage	Nominal Current (mA)		Coil Resistance (Ω±10%)	Power Consumption (DC:W;AC:VA)		Pull-In Voltage	Drop-Out Voltage	Maximum Allowable Voltage
		50HZ	60HZ		50HZ	60HZ			
EMI DC Coil	6	66.7		90	Abt. 0.40		80% Maximum	5% Minimum	130%
	9	44.6		202					
	12	33.3		360					
	15	26.6		560					
	18	22.3		810					
	24	16.7		1,440					
	48	8.7		5,520					
	60	8.2		7,340					
	110	4.1		26,530					
EMI AC Coil	24	29.75	25.35	350	0.71	0.61		30% Minimum	
	115	7.65	6.3	8,100	0.88	0.73			
	230	3.42	2.72	32,500	0.79	0.63			

Ordering Information

EMI - SS - 2 12 D M - G F

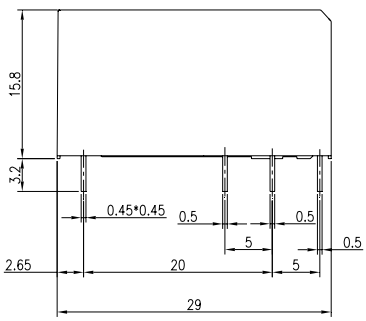
Insulation System:	**Nil**: Standard Class **F**: F Class
Contact Material	**Nil**: AgNi **G**: AgNi Gilded **O**: AgNi Plated **N**: $AgSnO_2$ **S**: $AgSnO_2$ Gilded **C**: AgCdO
Contact Form:	**Nil**: Form C **M**: Form A **B**: Form B
Coil Type:	**D**: DC Coil **A**: AC Coil
Coil Voltage:	VDC (**06**: 6V, **09**: 9V, **12**: 12V, **15**: 15V, **18**: 18V, **24**: 24V, **48**: 48V, **60**: 60V, **110**: 110V) VAC (**24**: 24V, **115**: 115V, **230**: 230V)
Number of Pole:	**2**: Two Poles
Type of Sealing:	**SS** : RT Ⅱ Flux Proofed Relays **SH** : RT Ⅲ Wash Tight Relays
Type:	**EMI**

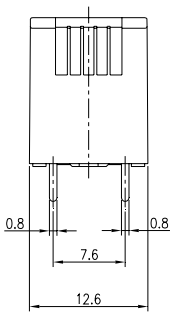
Classification

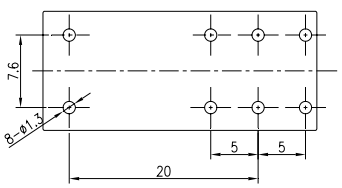
Model	EMI – 2P					
Coil Sensitivity	DC Coil			AC Coil		
Contact Form	2C	2A	2B	2C	2A	2B
Flux Proofed Relay	EMI-SS-2□□□D	EMI -SS-2□□□DM	EMI -SS-2□□□DB	EMI -SS-2□□□A	EMI -SS-2□□□AM	EMI -SS-2□□□AB
Wash Tight Relay	EMI-SH-2□□□D	EMI -SH-2□□□DM	EMI -SH-2□□□DB	EMI -SH-2□□□A	EMI -SH-2□□□AM	EMI -SH-2□□□AB

Dimension (≦ 5mm± 0.2mm, > 5mm ± 0.3mm, the tolerance of PCB thru hole: +0.1mm)

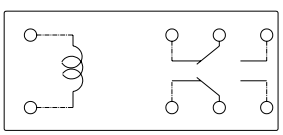
EMI-2P-SS/SH







P.C.B. Layout



Bottom View

поставщик: **“ООО КОНТАКТ”**
тел./ф.: (8634)369-333
web: http://kontakt-t.ru
e-mail: kontakt-t@mail.ru

GOODSKY
GOOD SKY ELECTRIC CO., LTD.

Reference Data