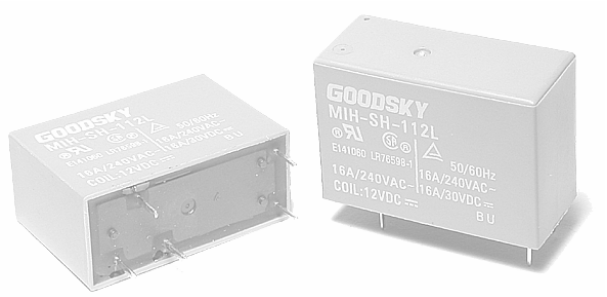

Main Feature

1.Insulation distance of 8 mm Min. is designed. The employment of insulation material is meeting to JIS insulation class E. Dielectric Strength 5,000V Min. and Surge Strength of 10,000V Min. can be reached.
2.The employment of suitable plastic materials is applied under high temperature condition and various chemical solutions.
3.Complete protective construction is designed from dust and soldering flux. If required, plastic sealed type is available for washing procedure.

Contact Rating

Load Type	MI (DM/LM)	MI (D/L)	MIH (DM/LM)	MIH (D/L)
Rated Load (Resistive)	10A 250VAC	10A 250 VAC	16A 240VAC	10A 240VAC
	10A 30VDC	10A 30VDC	16A 24VDC	10A 24VDC
Rated Carrying Current	10A	10A	16A	16A
Max. Allowable Voltage	AC: 250V	AC: 250V	AC: 250V	AC: 250V
	DC: 110V	DC: 110V	DC: 110V	DC: 110V
Max. Allowable Current	10A	10A	16A	16A
Max. Allowable Power Force	2500VA 300W	2500VA 300W	3800VA 450W	3800VA 450W
Contact Material	Ag Alloy	Ag Alloy	Ag Alloy	Ag Alloy
Contact Form	SPST	SPDT	SPST	SPDT

Application

Cooking Appliances, Air Conditioner, Audio Equipment, Domestic Appliances, Controlling Equivalent, etc.

Performance (at Initial Value)

- Contact Resistance ..... 100mΩMax.@1A,6VDC
- Operate Time..... 15mSec. Max. (D Type)
  20mSec. Max. (L Type)
- 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 ..... 100 MegaΩ Min. at 500VDC.
- Max. On/Off Switching:
  Electrical..... 6 Cycles per Minute.
  Mechanical ..... 300 Cycles per Minute.
- Temperature Range..... -30～55°C
- Humidity Range..... 45～85% RH.
- Coil Temperature Rise..... 45°C Max. (D Type)
  35°C Max. (L Type)
- Vibration :
  Endurance.....10 to 55 Hz dual amplitude width 1.5mm.
  Error Operation .....10 to 55 Hz dual amplitude width 1.5mm.
- Shock :
  Endurance .....1,000 m/S^2.
  Error Operation .....100 m/S^2.
- Life Expectancy :
  Mechanical .....10^7 Operations at No Load condition.
  Electrical .....10^5 Operations at Rated Resistive Load.
  Weight.....About 12.2 g.

Safety Standard & Its File Number

- UL E141060
- CSA LR76598-6
- TÜV R9854160
- FIMKO (MI-L/LM Type).....FI 11385
- SEMKO (MI-L/LM Type).....9834069/01
- VDE (MI-L/LM/D/DM Type)..6486ÜG

Coil Specification (at 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω±10%)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
MI/MIH D/DM	3	240	12.5	Abt. 0.72	80% Maximum	5% Minimum	130%
	5	138.9	36				
	6	120	50				
	9	78.3	115				
	12	60	200				
	24	29.3	820				
	48	14.5	3,300				
MI/MIH L/LM	3	176.5	17	Abt. 0.54	80% Maximum	5% Minimum	130%
	5	106.4	47				
	6	88	68				
	9	58	155				
	12	44.4	270				
	24	21.8	1,100				
	48	10.9	4,400				

Ordering Information

MI - SS - 1 12 D M

Contact Form:	**Nil**: One Form C **M**: One Form A **B**: One Form B
Coil Type:	**D**: Standard DC Coil **L**: High Sensitivity DC Coil
Coil Voltage:	**03**: 3V, **05**: 5V, **06**: 6V, **09**: 9V, **12**: 12V, **24**: 24V, **48**: 48V
Number of Pole:	**1**: One Pole
Type of Sealing:	**SS**: Flow Solder Type **SH**: Plastic Sealed Type
Type:	**MI** **MIH**

Classification

Model	MI / MIH					
Coil Sensitivity	Standard DC Coil			High Sensitivity DC Coil		
Contact Form	1C	1A	1B	1C	1A	1B
Flow Solder Type	MI(H)-SS-1□□D	MI(H)-SS-1□□DM	MI(H)-SS-1□□DB	MI(H)-SS-1□□L	MI(H)-SS-1□□LM	MI(H)-SS-1□□LB
Plastic Sealed Type	MI(H)-SH-1□□D	MI(H)-SH-1□□DM	MI(H)-SH-1□□DB	MI(H)-SH-1□□L	MI(H)-SH-1□□LM	MI(H)-SH-1□□LB

Accessories & Sockets

MI-1P

- PI-35BE ..... See Page 151
- PI-35BE/3 ..... See Page 151
- PI-35-0 ..... See Page 152

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

MI-SS/SH
MIH-SS/SH