



Main Feature

1. Slim type and small occupying area can be applied in high density P.C. Board mounting technique.
2. Insulation distance of 8mm is designed. The employment of insulation material is meeting to JIS Insulation Class E. Surge Resistance of 10,000V is realized.
3. Low power consumption of MIT-L type and general power consumption of MIT-D type are designed for user's selection.
4. TV-5 at 120VAC (600W) is certified by UL & CSA.

Application

Remote Control TV Receivers, Monitor displays, Audio Equipment and high Inrush Current can be used.

Contact Rating

- Nominal Load (Resistive Load $\cos \phi = 1$)
Contact Capacity 10A at 240VAC.
5A at 24VDC.
TV-5 at 120VAC.
Rated Carrying Current 10A.
Max. Allowable Current 10A.
Max. Allowable Voltage AC 240V, DC 110V.
Max. Allowable Power Force 2,400VA, 300W.
Min. Switching Load DC 10V, 10mA.
- Contact Material Ag Alloy.
- Contact Form SPST.

Performance (at Initial Value)

- Contact Resistance 100mΩ Max. @ 1A, 6VDC
- Operate Time 15 mSec. Max. (D Type)
20 mSec. 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 Resistance 10,000 V (between Coil
& Contact 1.2x50μSec.)
- Insulation Resistance 100 MegaΩ Min. at
500VDC.
- Max. On/Off Switching :
Electrical 30 Ops per Minute.
Mechanical 300 Ops per Minute.

- Temperature Range MIT-D: -30~55°C
MIT-L: -30~70°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/S² Min.
Error Operation 100 m/S² Min.
- Life Expectancy :
Mechanical 10⁷ Operations at No
Load condition.
Electrical 10⁵ Operations at
Rated Resistive Load.
2.5x10⁴ Operations at
TV Rated Load.
- Weight About 12.2 g.

Safety Standard & Its File Number

- UL E141060
- CSA LR76598
- TÜV R9352331

Coil Specification (at 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
MIT - 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				
MIT - 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	11	4,400				

Ordering Information

MIT - SS - 1 12 D M	Contact Form: M: One Form A 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: MIT
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Classification

Model	MIT	
Coil Sensitivity	Standard DC Coil	High Sensitivity DC Coil
Flow Solder Type	MIT-SS-1□□DM	MIT-SS-1□□LM
Plastic Sealed Type	MIT-SH-1□□DM	MIT-SH-1□□LM

Dimension

MIT-SS/SH

