



MAIN FEATURE

1. Slim type with 16A rated load.
2. 8 mm insulation distance.
3. Dielectric strength 5,000V and surge strength up to 10,000V.
4. UL Class F insulation available.
5. High sensitivity DC coil type of low power consumption available.
6. Halogen Free series available.
7. Comply with RoHS and REACH regulations.

CONTACT RATING

Item no.	2332130	2347578	2347579
Load Type	MI-SS-106L	MI-SS-112L	MI-SS-124L
Relay type (category)	PCB relay	PCB relay	PCB relay
Certifications	UL&CUL;TUV;VDE	UL&CUL;TUV;VDE	UL&CUL;TUV;VDE
Additional product specs	SPDT	SPDT	SPDT
Coil nominal Voltage	12 V DC	12 V DC	24 V DC
Coil voltage rating	0.54 W	0.54 W	0.54 W
Colour	Blue	Blue	Blue
Connection (components)	Solder pins	Solder pins	Solder pins
Contact material	Ag-alloy	Ag-alloy	Ag-alloy
Contact type	1 change-over	1 change-over	1 change-over
Content	1 pc(s)	1 pc(s)	2 pc(s)
Control mode	monostable, 1 coil	monostable, 1 coil	monostable, 1 coil
Durability	1 x 10 ⁷ switching operations	1 x 10 ⁷ switching operations	2 x 10 ⁷ switching operations
Electrical lifespan	1 x 10 ⁵ cycles	1 x 10 ⁵ cycles	2 x 10 ⁵ cycles
Fall time	8 ms	8 ms	9 ms
Max. pick-up voltage	4.8 VDC	9.6 VDC	19.2 VDC
Max. temperature	70 °C	70 °C	70 °C
Min. pick-up voltage	0.3 VDC	0.6 VDC	1.2 VDC
Min. temperature	-30°C	-30°C	-30°C
Packaging type (components)	Tube	Tube	Tube
Product size (height)	20.6mm	20.6mm	20.6mm
Product size (length)	29.1mm	29.1mm	29.1mm
Product size (width)	13mm	13mm	13mm
Product type	PCB relay	PCB relay	PCB relay
Resistance (coil)	68 Ω	270 Ω	1100 Ω
Response time	20 ms	20 ms	20 ms
RoHS-compliant	Yes	Yes	Yes
Switching capacity (max.)	2500VA 300 W	2500VA 300 W	2500VA 300 W
Switching current (max.)	10 A	10 A	10 A
Switching voltage (max.)	250 V AC 110 V DC	250 V AC 110 V DC	250 V AC 110 V DC
Weight	12.2 g	12.2 g	12.2 g

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~+70°C
- Humidity Range 45~85% RH.

- Coil Temperature Rise 45°C Max. (D Type)
35°C Max. (L Type)
- Vibration:
Destruction 10 to 55 to 10 Hz,0.75 mm single
amplitude (1.5mm double amplitude)
Malfunction 10 to 55 to 10 Hz,0.75 mm single
amplitude (1.5mm double amplitude)
- Shock:
Destruction 1,000 m/S²
Malfunction 100 m/S²
- Life Expectancy:
Mechanical 10⁷ Operations at No
Load condition
Electrical 10⁵ Operations at Rated
Resistive Load
Weight About 12.2 g

SAFETY STANDARD & FILE NUMBER

- UL & CUL E141060
- TÜV (MI) R09552084
- TÜV (MIH) R09854160
- VDE (MI-L/LM/D/DM Type) . 40013086

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-SS-106L	6	88	68	Abt. 0.54	80% Maximum	5% Minimum	130%
MI-SS-112L	12	44.4	270				
MI-SS-124L	24	21.8	1,100				

ORDERING INFORMATION

MI - SS - 1 12

Insulation System: Nil: Standard Class

Contact Form: Nil: One Form C

Coil Type: L: High DC

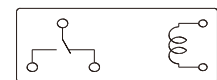
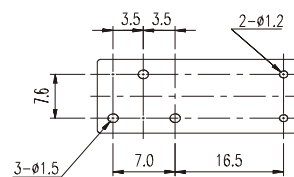
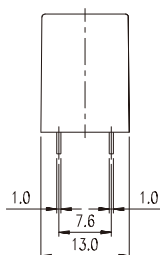
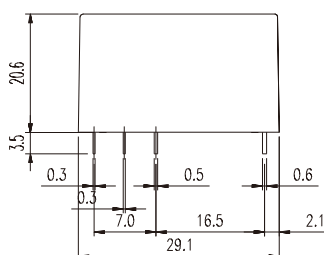
Coil Voltage: 06: 6V, 12: 12V, 24: 24V

Number of Pole: 1: One Pole

Type of Sealing: SS: RT II Flux Proofed

Type: MI

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



Bottom View

P.C.B Layout
Bottom View