



MAIN FEATURE

1. Switching capacity 5A with two changeover contacts.
2. Insulation distance of 8mm Min. is designed.
3. Dielectric strength of 5,000V min. and surge strength 10,000V.
4. 1/8 horse power at 120VAC and 1/8 horse power at 250VAC are certified by UL.
5. TV-3 at 120VAC rating is approved by UL.
6. Halogen free series available.
7. UL Class F insulation available.
8. Comply with RoHS and REACH regulations.

CONTACT RATING

Item no.	2347580
Load Type	MI-SS-212L
Relay type (category)	PCB relay
Certifications	UL&CUL;TUV;VDE
Additional product specs	DPDT
Coil nominal Voltage	12 V DC
Coil voltage rating	0.54 W
Colour	Blue
Connection (components)	Solder pins
Contact material	Ag-alloy
Contact type	2 change-over
Content	3 pc(s)
Control mode	monostable, 1 coil
Durability	3 x 10 ⁷ switching operations
Electrical lifespan	3 x 10 ⁵ cycles
Fall time	10 ms
Max. pick-up voltage	9.6 VDC
Max. temperature	70 °C
Min. pick-up voltage	0.6 VDC
Min. temperature	-30°C
Packaging type (components)	Tube
Product size (height)	20.6mm
Product size (length)	29.1mm
Product size (width)	13mm
Product type	PCB relay
Resistance (coil)	270 Ω
Response time	20 ms
RoHS-compliant	Yes
Switching capacity (max.)	1250VA 150 W
Switching current (max.)	5 A
Switching voltage (max.)	250 V AC 110 V DC
Weight	12.2 g

APPLICATION

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

PERFORMANCE (AT INITIAL VALUE)

- 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)
- 1,000 m/S²

- 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)

- Shock:
 - Destruction
 - Malfunction 100 m/S²
- 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 13.8 g

ACCESSORIES & SOCKETS

- PI-50BE See Page 171
- PI-50BE/3 See Page 171
- PI-50-0 See Page 173

SAFETY STANDARD & FILE NUMBER

- UL & C-UL E141060
- TÜV R09552069
- VDE (MI-D/DM/L/LM 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-212L	12	44.4	270	Abt. 0.54	80% Maximum	5% Minimum	130%

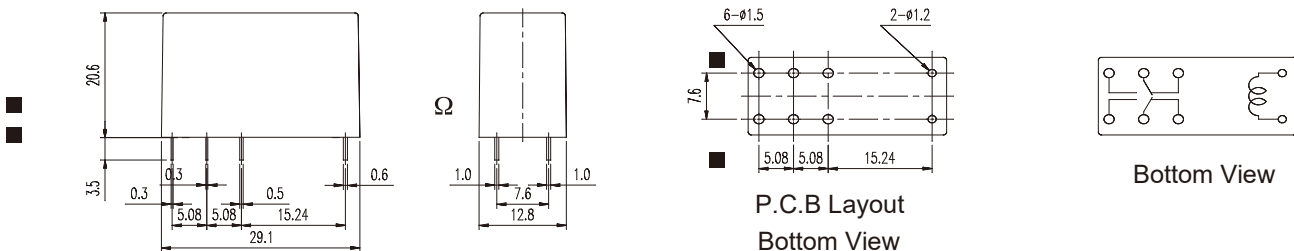
ORDERING INFORMATION

MI - SS - 2 12

Insulation System:	Nil: Standard Class
Contact Form:	Nil: Form C
Coil Type:	L: High DC
Coil Voltage:	12: 12
Number of Pole:	2: Two Poles
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)

MI-2P-SS/SH



V.01EZ