





MAIN FEATURE

- 1. Power Relay in miniature size up to 5A/120VAC capacity.
- 2. Two poles are designed with Plug-in Terminal for customer's various applications.
- 3. Complete protective construction is designed for dust prevention.
- 4. Comply with RoHS and REACH regulations.

CONTACT RATING

Load Type	MRE (DM/DB)	MRE (D)
Detect Load (Decistive)	5A 120VAC	5A 120VAC
Rated Load (Resistive)	5A 24VDC	5A 24VDC
Rated Carrying Current	5A	5A
May Allawahla Valtaga	AC 120V	AC 120V
Max. Allowable Voltage	DC 60V	DC 60V
Max. Allowable Current	5A	5A
Max. Allowable Power Force	600VA	600VA
Max. Allowable Fower Force	100W	100W
Contact Material	Ag Alloy	Ag Alloy
Contact Form	DPST	DPDT

APPLICATION

Office Equipment, Industrial Control Equipment...etc.

PERFORMANCE (AT INITIAL VALUE)

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■ Contact Resistance	100mΩ Max.@1A,6VDC
■ Operate Time	20 mSec. Max.
■ Release Time	20 mSec. Max.
■ Dielectric Strength:	
Between Coil & Contact	1,000 VAC at 50/60 Hz
	for one minute
Between Contacts	500VAC at 50/60 Hz
	for one minute
■ Surge Strength	1,000V (between coil
	& contact 1.2x50μSec.)
■ Insulation Resistance	100 Mega Ω Min. at
	500VDC
■ Max. On/Off Switching:	
Electrical	6 Cycles per Minute
Mechanical	300 Cycles per Minute
■ Temperature Range	10~+40°C
■ Humidity Range	45∼85% RH.

Vibration:		
Destruction		55 to 10 Hz,0.75 mm single ude (1.5mm double amplitude)
Malfunction		55 to 10 Hz,0.75 mm single ude (1.5mm double amplitude)
Shock:		
Destruction		
Malfunction	100	m/S ²
Life Expectancy:		
Mechanical	10 ⁷	Operations at No
	Load	d condition
Electrical	10 ⁵	Operations at Rated
	Res	istive Load
Weight	Abo	ut 18 g

SAFETY STANDARD & FILE NUMBER

■ NIL.

■ Coil Temperature Rise.......60°C Max.

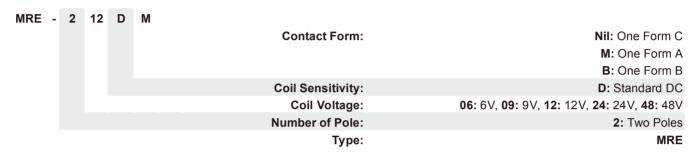




COIL SPECIFICATION (AT 20°C)

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)
	6	150	40	Abt. 0.9	Abt. 0.9 80% Maximum	5% Minimum	110%
	9	100	90				
MRE	12	75	160				
	24	37.5	640				
	48	18.8	2,560				

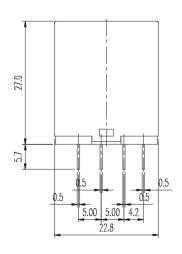
ORDERING INFORMATION

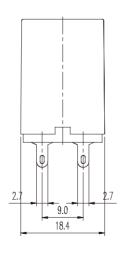


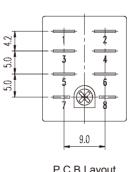
CLASSIFICATION

Model	MRE				
Contact Form	2C	2A	2B		
Hand Soldered Type	MRE-S-2□□D	MRE-S-2□□DM	MRE-S-2□□DB		

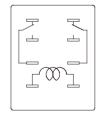
DIMENSION (≤5mm ± 0.2mm, > 5mm ± 0.3mm, the tolerance of PCB thru hole: +0.1mm)







P.C.B Layout **Bottom View**



Bottom View