

FEATURES

- 1C and 2x1C configurations
- Switching capacity up to 25A motor lock load
- High performance PCB relay

CONTACT DATA

Contact form	1C & 2x1C
Contact resistance (Initial)	≤ 250mV (at 10A)
Contact rating	25A motor lock (14VDC)
Max. switching power	480W
Max. switching voltage	16VDC
Max. switching current	30A
Contact material	AgSnO ₂

CHARACTERISTICS

Insulation resistance	100MΩ min (at 500VDC)
Dielectric strength	1C: 50Hz 1000V, between coil and contacts 2C: 50Hz 500V, between coil and contacts 50Hz 500V, between contacts
Operate time	≤ 10 ms
Release time	≤ 5 ms
Vibration resistance	1C: 10Hz - 500Hz, Acceleration: 43.1m/s ² 2 x 1C: 10Hz - 500Hz, Acceleration: 45m/s ²
Shock resistance	Function 100m/s ² 11ms Survival 1000m/s ² 11ms
Humidity	85% (at 40°C)
Ambient temperature	- 40°C to +85°C (For high temperature type: -40°C to 105°C)
Life expectancy	
- Electrical	10 ⁵
- Mechanical	10 ⁶

COIL SPECIFICATIONS

Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption (W)
12	6.5	1	66.7	180	0.8
12B	7.2	1	53.3	225	0.64

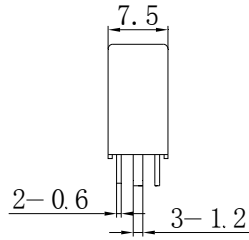
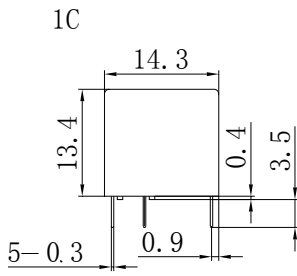
ORDERING INFORMATION

<u>MC1</u>	-	<u>012</u>	-	<u>1</u>		<u>B</u>		<u>F</u>
------------	---	------------	---	----------	--	----------	--	----------

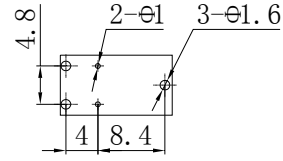
Model No.	Coil Voltage	Contact Form	Sensitivity	Ambient Temperature
MC1	12VDC	1 : 1 C 2 : 2 x 1 C	Nil: standard (0.8W) B: High sensitive (0.64W)	Nil: - 40°C - 85°C F: - 40°C - 105°C

Remark: High Temperature type is available for standard coil only.

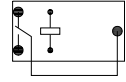
Dimensions(unit:mm)



PCB Layout

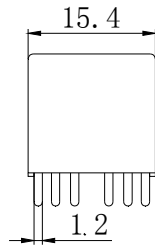
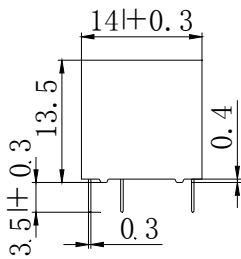


Schematic

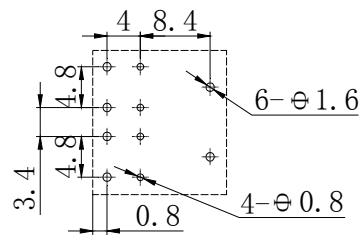


85°C TYPE

2×1C

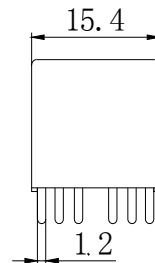
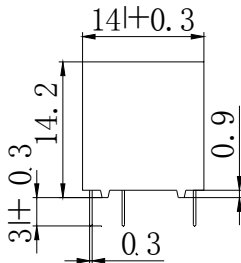


PCB Layout

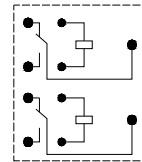


105°C TYPE

2×1C



Schematic



Disclaimer: All the specifications are subject to change without notice.