

FEATURES

- Ultra small size, light weight
- Reverse motor control is possible with a single relay
- PCB mounting

CONTACT DATA

Contact form	1C, 2x1C, 2C
Contact resistance (Initial)	$\leq 100\text{m}\Omega$ (200mV at 10A)
Contact rating (Resistive)	NO: 20A/14VDC NC: 10A/14VDC
Max. switching power	300W
Max. switching voltage	16VDC
Max. switching current	20A
Contact material	AgSnO ₂

CHARACTERISTICS

Insulation resistance	100M Ω min (at 500VDC)
Dielectric strength	50Hz 500V, between coil and contacts 50Hz 500V, between contacts
Operate time	≤ 10 ms
Release time	≤ 10 ms
Vibration resistance	10-100Hz 44m/s ²
Shock resistance	Function 100m/s ² 11ms Survival 1000m/s ² 6ms
Humidity	85% (at 40°C)
Ambient temperature	- 40°C to +85°C
Life expectancy	
- Electrical	10 ⁵
- Mechanical	10 ⁷

COIL SPECIFICATIONS

Nominal voltage (VDC)	Operating voltage range (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Nominal current (mA $\pm 10\%$)	Coil resistance ($\Omega\pm 10\%$)	Power consumption (W)
12	10 - 16	7.2	1	66.7	180	0.8

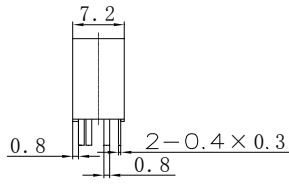
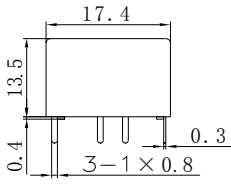
ORDERING INFORMATION

<u>MC4</u>	-	<u>012</u>	-	<u>1</u>

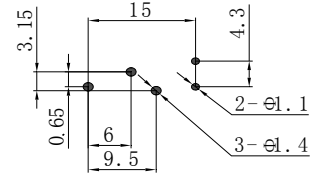
Model No.	Coil Voltage	Contact Form
MC4	12VDC	1: 1C 2: 2 x1C 3: 2C

Dimensions(unit:mm)

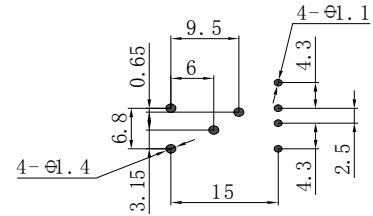
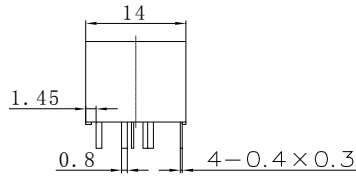
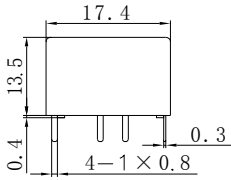
TYPE1 (1C)



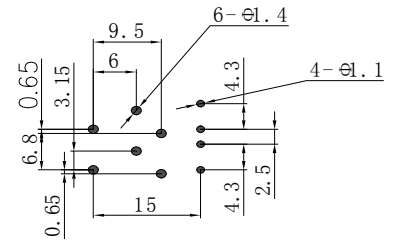
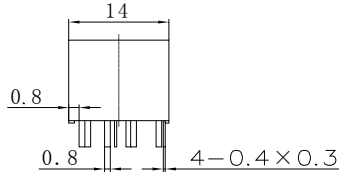
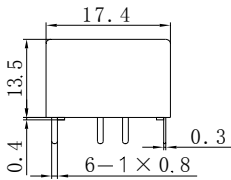
PCB Layout



TYPE2 (2 x 1C)

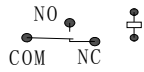


TYPE3 (2C)

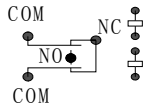


Schematic

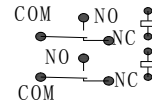
TYPE1:1C



TYPE2:2 x 1C



TYPE3:2C



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