

FEATURES

- Low profile 20×9.8×12(L×W×H)
- Conforms to FCC Part 68 1500V Surge and Dielectric Strength 1000VAC
- DIL Pitch Terminals
- UL and CUL approval, File No.: E179936

CONTACT DATA

Contact form	2C
Contact resistance (Initial)	Max.50mΩ at initial
Rated load (Resistance)	1A/2A 24VDC 0.5A/1A 120VAC
Max. switching power	60W, 125VA
Max. switching voltage	220VDC/250VAC
Max. switching current	2A
Min. permissible load (reference Value)	0.01mA 10mV
Contact material	Silver Alloy

CHARACTERISTICS

Insulation resistance	Min.1000MΩ,(at 500VDC)
Dielectric strength	1000VAC, between coil and contacts (1 min) 1000VAC, between open contacts (1 min) 1000VAC, between contacts poles (1 min)
Surge voltage	1500V between coil and contacts
Operation time	Max. 5 ms
Release time	Max.3 ms
Vibration resistance	Functional:1.5mm, 10 to 55Hz D.A. Survival:5mm, 10 to 55Hz D.A.
Shock resistance	Functional: 100 m/s ² (11ms) Survival : 1000 m/s ² (6ms)
Ambient temperature	- 40°C to + 90°C
Life expectancy - Electrical (resistive load) - Mechanical	5x10 ⁵ at 1A 24VDC 1x10 ⁵ at 2A 24VDC 2x10 ⁵ at 0.5A 120VAC 1x10 ⁵ at 1A 120VAC 1x10 ⁸

COIL SPECIFICATIONS 1. STANDARD TYPE

Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(mW)
3	2.1	0.3	66.7	45	200
5	3.5	0.5	40	125	200
6	4.2	0.6	33.3	180	200
9	6.3	0.9	22.2	405	200
12	8.4	1.2	16.7	720	200
24	16.8	2.4	8.3	2880	200
48	33.6	4.8	4.2	11520	200

COIL SPECIFICATIONS 2. SENSITIVE TYPE

Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(mW)
3B	2.1	0.15	50	60	150
5B	3.5	0.25	30	167	150
6B	4.2	0.3	25	240	150
9B	6.3	0.45	16.6	540	150
12B	8.4	0.6	12.5	960	150
24B	16.8	1.2	8.3	2880	200

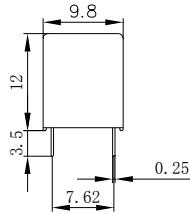
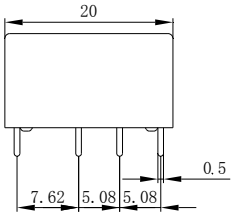
ORDERING INFORMATION

ME - 2C - 12 B

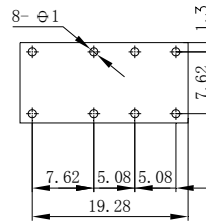
Model No.	Coil Voltage	Coil Consumption
ME-2C	3VDC-48VDC	Nil: Standard type (200mW) B : Sensitive type(150mW)

Dimensions (unit:mm)

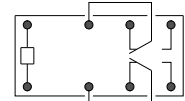
Tolerance: ±0.3



Tolerance: ±0.1



PCB LAYOUT



SCHEMATIC

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