

FEATURES

- Ultra-miniature at 12.5mm x 7.5mm x 10mm(L x W x H)
- 1C configurations
- High sensitivity: 150mW nominal coil power
- Conforms to FCC Part 68 requirements for coil to contacts
- UL and CUL approval, File No.: E179936
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CONTACT DATA

Contact form	1A,1C
Contact resistance (Initial)	100mΩ (at 10mA/30mVDC)
Rated load Resistive load(CosΦ = 1)	1A:1A /125VAC 2A/30VDC 1C:0.5A/125VAC 1A/30VDC
Rated carrying current	2A
Max. switching current	1A:4A,1C:2A
Max. switching voltage	125VAC/60VDC
Max. switching capacity	1A:125VA/60W 1C:62.5VA/30W
Min. permissible load	1mA at 5VDC
Contact material	Silver Alloy

CHARACTERISTICS

Insulation resistance	1000MΩ at 500VDC
Dielectric strength	1000VAC, coil to contacts 500VAC, open contacts
Operate time	5 ms
Release time	5 ms
Vibration resistance	10-55Hz, 3.3mm DA
Shock resistance	Functional:196m/s ² Destructive:980m/s ²
Humidity	35% to 85%
Ambient temperature	- 40°C to + 70°C
Life expectancy	Electrical:9 x 10 ⁴ operations(1H:1A 125VAC;1Z:0.5A 125VAC,Resistive load., Room temp,1s on 9s off) Mechanical: 1 x 10 ⁷ operations

COIL SPECIFICATIONS – 1. Standard

Nominal voltage (VDC)	Pick-up voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(mW)	Max. allowable voltage (VDC)
1.5	1.2	0.15	133	11.3	200	160% of nominal voltage
2.4	1.92	0.24	83.3	28.8	200	
3	2.4	0.3	66.7	45	200	
4.5	3.6	0.45	44.4	101.3	200	
5	4	0.5	40	125	200	
6	4.8	0.6	33.3	180	200	
9	7.2	0.9	22.2	405	200	
12	9.6	1.2	16.7	720	200	
24	19.2	2.4	8.3	2880	200	

2. Low power consumption

Nominal voltage (VDC)	Pick-up voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(mW)	Max. allowable voltage (VDC)
1.5S	1.2	0.15	100	15	150	160% of nominal voltage
2.4S	1.92	0.24	62.5	38.4	150	
3S	2.4	0.3	50	60	150	
4.5S	3.6	0.45	33.3	135	150	
5S	4	0.5	30	167	150	
6S	4.8	0.6	25	240	150	
9S	7.2	0.9	16.7	540	150	
12S	9.6	1.2	12.5	960	150	
24S	19.2	2.4	6.25	3840	150	

ORDERING INFORMATION

ME-3 - 012 - 1Z 3 S

Model No.	Coil Voltage	Contact Form	Termination	Power Consumption
ME-3	1.5VDC-24VDC	1H:1A 1Z: 1C	Nil: PCB Terminal 3: Bent Terminal	Nil: Standard -200mW S: Low power consumption - 150mW

Dimensions(unit:mm)

Tolerance:±0.2

