

FEATURES

- Low height 10.5mm
- Low coil power
- High breakdown voltage 3000VAC between coil and contacts,
1000VAC between open contacts meeting FCC Part 68
- Latching types available
- 8A, 5A/250VAC switching capabilities
- 1A,1A1B,2A configurations
- Environmental friendly product(ROHS compliant)
- UL & CUL Approval, File No.: E179936

CONTACT DATA

Contact form	1A, 1A1B, 2A
Contact resistance (Initial)	No gold plated: 50mΩ(at 1A 6VDC) Gold plated:50mΩ (at 1A 6VDC)
Contact Rating (Resistive load)	1A1B,2A: 5A 220VAC/30VDC 1A:8A 250VAC 5A 30DC
Max. switching power	1A:2000VAC/150W 1A1B,2A:1250VA 150W
Max. switching voltage	380VAC 240VDC
Max. switching current	5A/8A
Contact Material	Silver alloy
Weight	Approx. 4.5g

CHARACTERISTICS

Initial insulation resistance	Min. 1000MΩ(at 500VDC)
Initial breakdown voltage	
- Between coil and contacts	3000VAC 1min
- Between open contacts	1000VAC 1min
- Between contact sets	2000VAC 1min
Surge voltage(between coil and contacts)	5Kv(1.2/50μs)
Operate time(single side stable)	Max. 10ms
Release time(single side stable)	Max. 5ms
Set time (latching)	Max. 10ms
Reset time (latching)	Max. 10ms
Vibration resistance	Functional:10-55Hz, 2.0mm DA Destructive:10-55Hz, 3.5mm DA
Shock resistance	Functional:196m/s ² Destructive:980m/s ²
Humidity	5% - 85% RH
Ambient temperature	- 40°C to + 85°C
Life expectancy	
- Electrical	1x10 ⁵ min. ops(8A 250VAC,at40°C,1s on 9s off) 3x10 ⁴ min. ops(5A 250VAC,at40°C,2s on 2s off)
- Mechanical	1x10 ⁷ min. ops

COIL SPECIFICATIONS – 1 coil (Single Side Stable)

Nominal voltage(VDC)	Pick-up voltage/Set & reset voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Nominal current (mA \pm 10%)	Coil resistance (Ω \pm 10%)	Power consumption (mW)	Max. allowable Voltage(VDC)
3	2.4	0.3	100	30	300	3.9
5	4	0.5	60	83	300	6.5
6	4.8	0.6	50	120	300	7.8
9	7.2	0.9	33.3	270	300	11.7
12	9.6	1.2	25	480	300	15.6
18	14.4	1.8	16.7	1080	300	23.4
24	19.2	2.4	12.5	1920	300	31.2

2. Latching (2 coils)

Nominal voltage (VDC)	Set & reset voltage (VDC Max.)	Nominal current (mA \pm 10%)	Coil resistance (Ω \pm 10%)	Power consumption (mW)	Max. allowable Voltage(VDC)
3	2.4	100	30	300	3.9
5	4	60	83	300	6.5
6	4.8	50	120	300	7.8
9	7.2	33.3	270	300	11.7
12	9.6	25	480	300	15.6
18	14.4	16.7	1080	300	23.4
24	19.2	12.5	1920	300	31.2

3. Latching (1 coil)

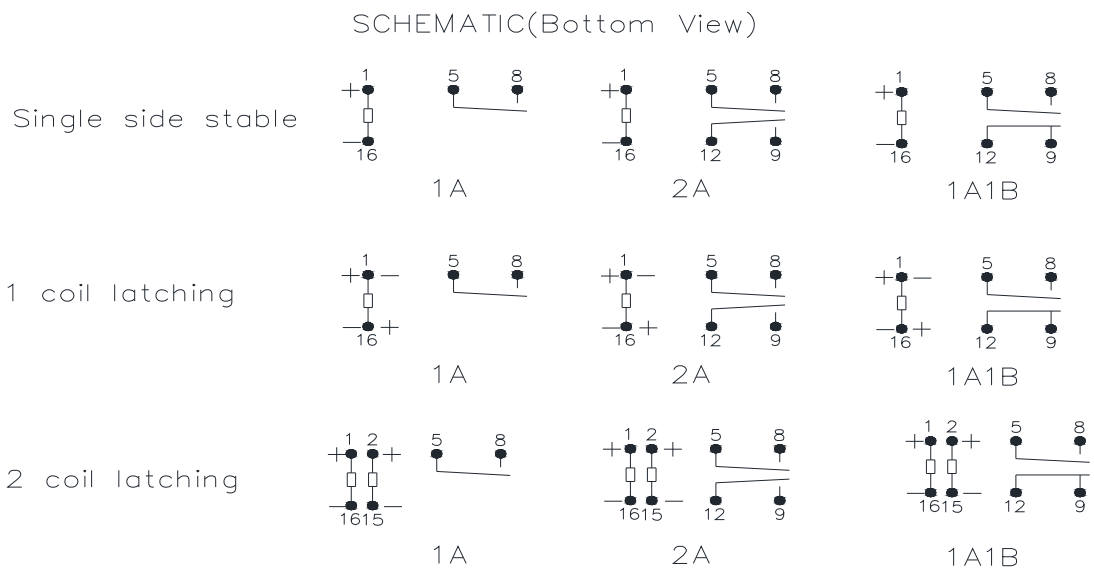
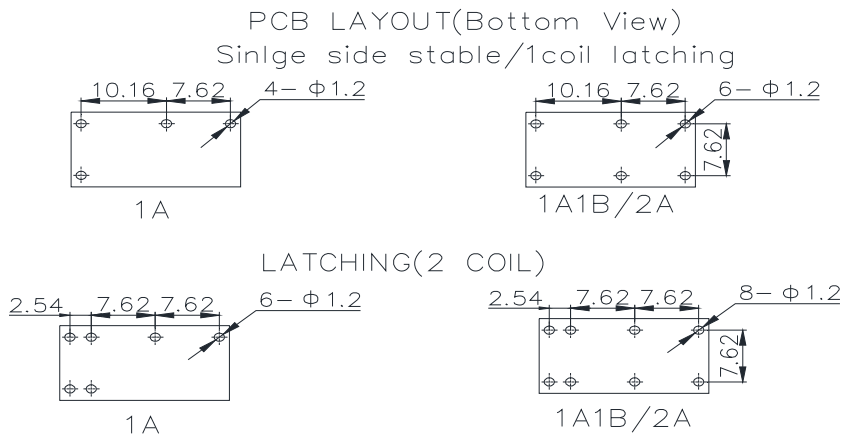
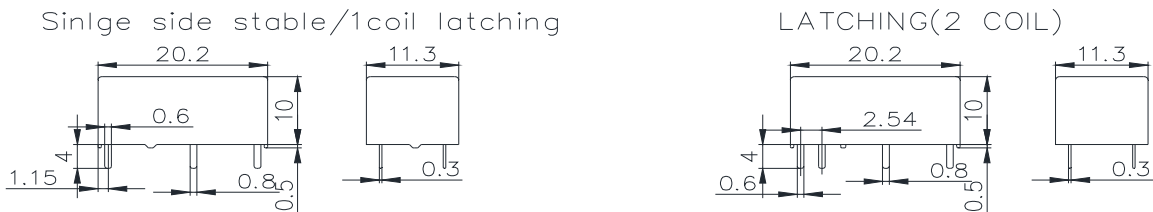
Nominal voltage (VDC)	Set & reset voltage (VDC Max.)	Nominal current (mA \pm 10%)	Coil resistance (Ω \pm 10%)	Power consumption (mW)	Max. allowable Voltage(VDC)
3	2.4	50	60	150	3.9
5	4	30	167	150	6.5
6	4.8	25	240	150	7.8
9	7.2	16.7	540	150	11.7
12	9.6	12.5	960	150	15.6
18	14.4	8.4	2160	150	23.4
24	19.2	6.3	3840	150	31.2

ORDERING INFORMATION

ME-5C - **L2** - **24** - **2a** **T** **R**

Model No.	Sort	Coil Voltage	Contact Form	Contact Material	Polarity
ME-5C	Nil: Single Side Stable L1: 1 Coil Latching L2: 2 Coil Latching	3- 24VDC	1a: 1A 1a1b: 1A +1B 2a: 2A	T: AgSnO ₂ G: AgSnO ₂ +Gold plated	Nil: Standard Polarity R: Reverse Polarity

DIMENSIONS (unit: mm) Tolerance (out size dimensions): ± 0.5mm



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