FEATURES

- Switching capabilities: 5A, 8A, 10A
- 1A and 1P-1A1B configurations
- Dimension: 20.4 x 15.5 x 10 mm (L x W x H)
- Latching and Non-Latching types available
- UL approval, File No.: E179936
- TUV approval, File No.: R50166219

CONTACT DATA

Contact form	1A, 1A1B, 2A
Contact resistance （Initial）	Max. 50mΩ(1A 6VDC)
Rated load Resistive load (cosΦ=1)	 1A: 10A at 250VAC 10A at 30VDC 1A1B/2A: 8A at 250VAC 8A at 30VDC
Max. switching power Resisive load (cosΦ=1)	 1A: 2500VA, 300W 1A1B/2A: 2000VA, 240W
Max. switching voltage	250VAC, 125VDC
Max. switching current	1A: 10A 1A1B/2A: 8A
Contact Material	AgNi/ $AgSnO_2$
Weight	5.6g

CHARACTERISTICS

Insulation resistance	Min. 1000MΩ (at 500VDC)
Dielectric strength Between coil and contacts Standard 4 - Between contacts of same polarity - Between contacts of different polarity	 2000VAC, (50/60Hz for 1 min) 4000VAC, (50/60Hz for 1 min) 1000VAC, (50/60Hz for 1 min) 2000VAC, (50/60Hz for 1 min)
Operate time (set time)	Max. 10ms
Release time (reset time)	Max. 10ms
Bounce time	Operate: 5ms max. Release: 5ms max.
Min. set/reset signal width	Latching type: 20ms (at 23℃)
Vibration resistance	10-55Hz, 1.5mm DA
Shock resistance	Malfunction: 100m/s^2 Destruction: 1,000m/s^2
Ambient humidity	Operating: 35% to 85%
Ambient temperature	- 40℃ to + 70℃ (with no icing)
Life expectancy - Electrical (at 1,800 operations/hr) - Mechanical (at 18,000 operations/hr)	 1x10^5 min. operations 5x10^7 min. operations

COIL SPECIFICATIONS – 1. Single Side Stable

Nominal voltage(VDC)	Operate voltage VDC (Max.)	Release voltage VDC (Min.)	Rated current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(mW)	Max. allowable Voltage(VDC)
2.4	1.8	0.24	83.3	28.8	200	3.12
3	2.25	0.3	67	45	200	3.9
5	3.75	0.5	40	125	200	6.5
6	4.5	0.6	33.3	180	200	7.8
12	9	1.2	16.7	720	200	15.6
15	11.25	1.5	13.3	1125	200	19.5
24	18	2.4	8.3	2880	200	31.2

2. Latching (1 coil)

Nominal voltage (VDC)	Set & reset voltage (VDC Max.)	Rated current (mA ± 10%)	Coil resistance (Ω±10%)	Power consumption (mW)	Max. allowable Voltage(VDC)
2.4	1.8	83.3	28.8	200	3.12
3	2.1	67	45	200	3.9
5	3.75	40	125	200	6.5
6	4.5	33.3	180	200	7.8
12	9	16.7	720	200	15.6
15	11.25	13.3	1125	200	19.5
24	18	8.3	2880	200	31.2

3. Latching (2 coils)

Nominal voltage (VDC)	Set & reset voltage (VDC Max.)	Rated current (mA ± 10%)	Coil resistance (Ω±10%)	Power consumption (mW)	Max. allowable Voltage(VDC)
2.4	1.8	116.7	14.4	280	3.12
3	2.25	93.5	32.1	280	3.9
5	3.75	56	89.3	280	6.5
6	4.5	46.7	129	280	7.8
12	9	23.3	514	280	15.6
15	11.25	18.7	800	280	19.5
24	18	11.7	2056	280	31.2

ORDERING INFORMATION

ME-6C - L2 - 24 - 1a1b T R 3

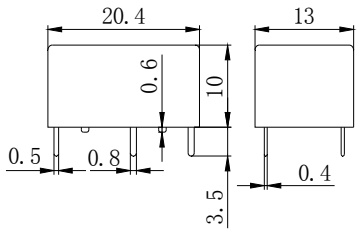
Model No.	Sort	Coil Voltage	Contact Form	Contact Material	Polarity	Version
ME-6C	Nil: Single Side Stable L1: 1 Coil Latching L2: 2 Coil Latching	3VDC – 24VDC	1a: 1A 1a1b: 1A + 1B 2a: 2A	Nil: AgNi T: $AgSnO_2$	Nil:Standard Polarity R:Reverse Polarity	Nil: 2coil 4pin 3: 2coil 3pin

Remark: 4LD is stated for 4KV & lead free

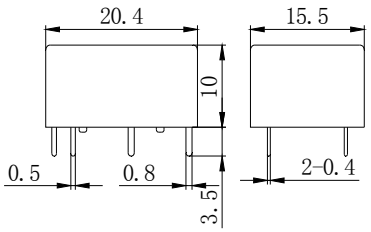
DIMENSIONS (unit:mm)

Tolerance (out size dimensions):± 0.5mm

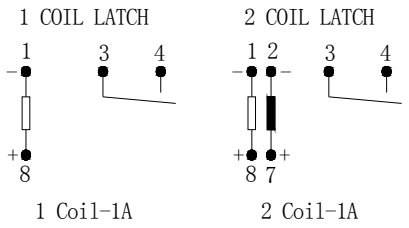
Width-(1a)



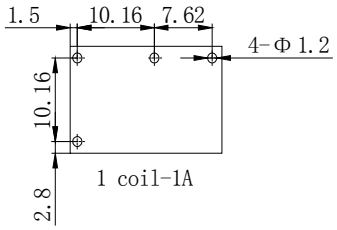
Width-(1a1b, 2a)

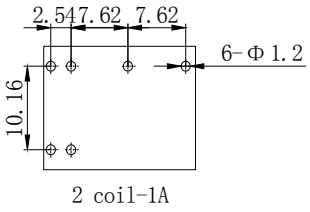


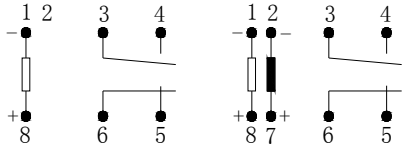
SCHEMATIC

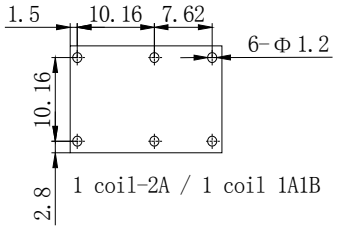


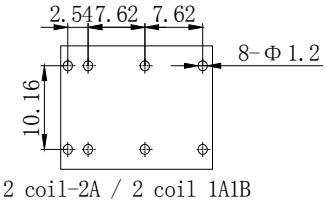
PCB LAYOUT

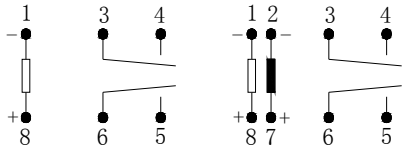




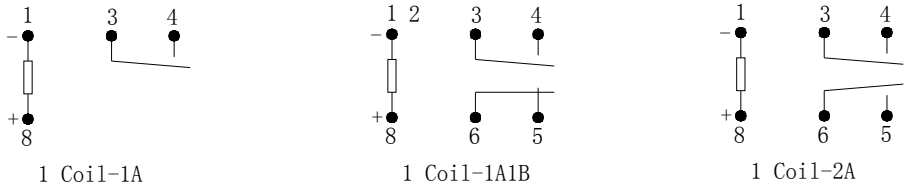




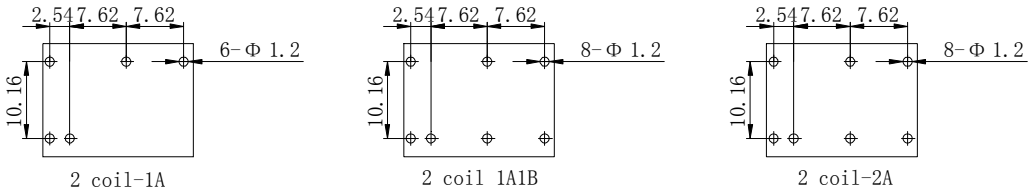


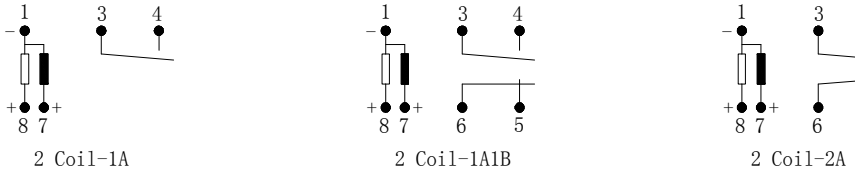


SINGAL SIDE STABLE



2 COIL LATCH





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