

**FEATURES**

- 2a2b,3a1b and 4a configurations
- Latching and Non-Latching types available
- Dimension:36.8×22.6×14.6 ( L x W x H )

**CONTACT DATA**

Contact form	2a2b ; 3a1b;4a
Contact resistance (Initial)	Max. 50mΩ (at 1A / 6VDC)
Contact rating (Resistive load)	6A 250VAC
Contact rating (Inductive load)	220VDC T=5ms 50W 220VDC COS φ =0.4 250VAC
Max. switching voltage	220VDC/250VAC
Max. switching current	6A
Contact material	Silver Alloy

**CHARACTERISTICS**

Insulation resistance	1000MΩ at 500VDC
Dielectric strength Between contacts of same polarity	1500VAC
Between contacts of different polarity	2500VAC
between coil and contacts	2500VAC
between coil and coil	2000VAC
Surge voltage between contacts and coil	4000VAC (at 2 x 10μs)
Operate time	10 ms (nominal voltage)
Release time	10 ms (nominal voltage)
Vibration resistance	10-55Hz at amplitude of 1.5mm
Shock resistance	Destruction: 294m/s <sup>2</sup>
Humidity	40% to 95%RH
Ambient temperature	- 40°C to + 70°C
Life expectancy - Electrical - Mechanical	1 x 10 <sup>5</sup> operations min. 1 x 10 <sup>7</sup> operations min.

**COIL SPECIFICATIONS – 1. Single Side Stable**

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	1.125	0.15	333	4.5	500	1.8
3	2.25	0.3	167	18	500	3.6
5	3.75	0.5	100	50	500	6
12	9	1.2	42	288	500	14.4
24	18	2.4	21	1152	500	28.8
48	36	4.8	10.5	4608	500	57.6
55	41.25	5.5	9	6050	500	66
110	82.5	11	4.5	24200	500	132

**2. Double Coils Single Side Stable**

Nominal voltage (VDC)	Pick-up voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Nominal current (mA±10%)	Coil resistance ( $\Omega\pm 10\%$ )	Power consumption(mW)	Max. allowable voltage (VDC)
1.5	1.125	0.15	333	4.5	500	1.8
3	2.25	0.3	167	18	500	3.6
5	3.75	0.5	100	50	500	6
12	9	1.2	42	288	500	14.4
24	18	2.4	21	1152	500	28.8
48	36	4.8	10.5	4608	500	57.6
55	41.25	5.5	9	6050	500	66
110	82.5	11	4.5	24200	500	132

**3. Double Coils Double Side Stable**

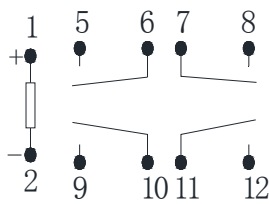
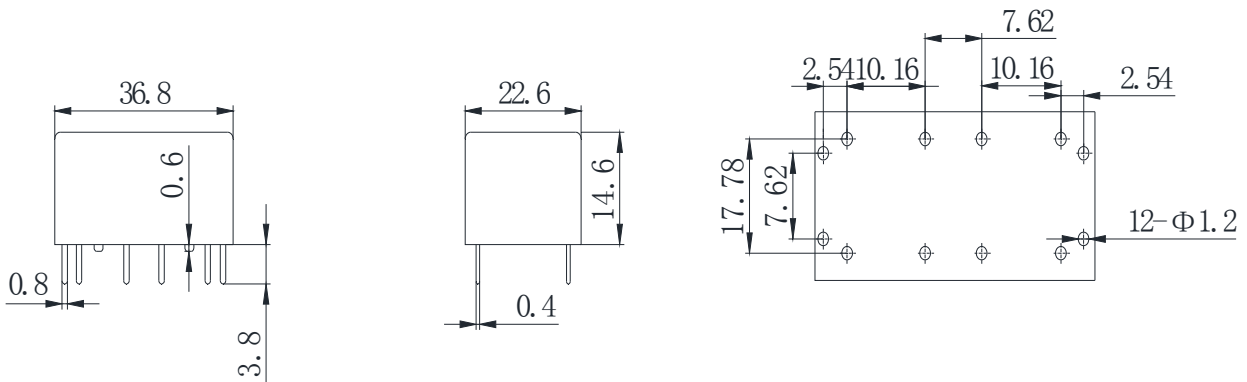
Nominal voltage (VDC)	Pick-up voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Nominal current (mA±10%)	Coil resistance ( $\Omega\pm 10\%$ )	Power consumption(mW)	Max. allowable voltage (VDC)
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55	41.25	5.5	9	6050	500	66
110	82.5	11	4.5	24200	500	132

**ORDERING INFORMATION**

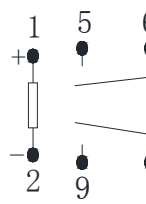
**ME-8FF** - **L1** - **03** **2a2b**

Model No.	Sort	Coil Voltage	Contact Form
ME-8FF	Nil: 1 coil non-latch 2: 2 coils non-latch L1: 1 coil latch L2: 2 coils latch	1.5、3、5、12、24、 48、55 and 110VDC	2a2b: 2A2B 3a1b: 3A1B 4a:4A 4b:4B

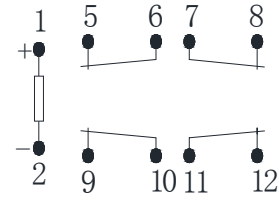
## DIMENSIONS(unit:mm)



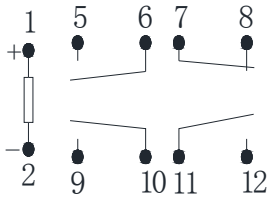
1 coil non-latch:4a  
1 coil latch:4a



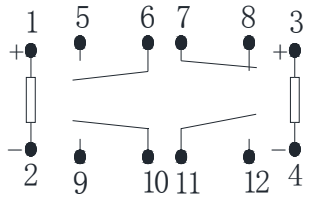
2 coil non-latch:4a  
2 coil latch:4a



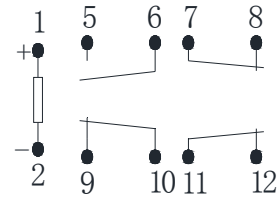
1 coil non-latch:4b  
1 coil latch:4b



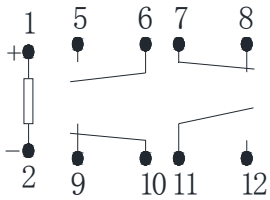
1 coil non-latch:3alb  
1 coil latch:3alb



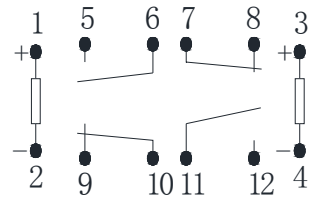
2 coil non-latch:3alb  
2 coil latch:3alb



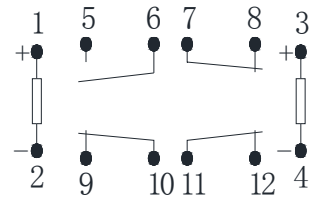
1 coil non-latch:1a3b  
1 coil latch:1a3b



1 coil non-latch:2a2b  
1 coil latch:2a2b



2 coil non-latch:2a2b  
2 coil latch:2a2b



2 coil non-latch:1a3b  
2 coil latch:1a3b

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