

FEATURES

- 10A switching capability
- Creepage/clearance distance > 8mm
- 5KV dielectric strength (between coil and contact)
- Class F insulation system
- Outline Dimensions: (17.6×10.1×12.3)mm
- UL & CUL approval, File No. E179937

CONTACT DATA

Contact form	1A – NO
Contact resistance (Initial)	Max.70mΩ(at 1A 6VDC)
Contact rating (Res. load)	10A 250VAC 15A 120VAC(70°C)
Max.switching Voltage	250VAC
Max.switching current	10A
Max.switching power	2500VA
Contact material	AgSnO ₂

CHARACTERISTICS

Insulation resistance	1000MΩ (at 500VDC)
Dielectric strength	5000VAC, between coil to contacts (1 min) 1000VAC, between open contacts (1 min)
Operate time	≤ 8 ms
Release time	≤ 4 ms
Shock	Malfunction: 98m/s ² Mechanical: 980m/s ²
Vibration resistance	10-55Hz, 1.5mm DA
Humidity	35% to 95%RH
Ambient temperature	- 40°C to 85°C
Life expectancy	
- Electrical	1 x 10 ⁴ operations
- Mechanical	1 x 10 ⁶ operations

COIL SPECIFICATIONS- 1.Standard type

Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC (Min.)	Max allowable voltage (VDC)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(mW)
3	2.25	0.15	3.9	150	20	450
5	3.75	0.25	6.5	90	55	450
6	4.5	0.3	7.8	75	80	450
9	6.75	0.45	11.7	50	180	450
12	9	0.6	15.6	37.5	320	450
18	13.5	0.9	23.4	25	720	450
24	18	1.2	31.2	18.8	1280	450
48	36	2.4	62.4	9.4	5120	450

2. Sensitive type

Nominal voltage (VDC)	Pick-up voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Max allowable voltage (VDC)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(mW)
3L	2.25	0.15	5.1	76.7	38	230
5L	3.75	0.25	8.5	46	108	230
6L	4.5	0.30	10.2	38.3	155	230
9L	6.75	0.45	15.3	25.6	350	230
12L	9.00	0.60	20.4	19.2	620	230
18L	13.5	0.90	30.6	12.8	1390	230
24L	18.0	1.20	40.8	9.85	2480	230
48L	36.0	2.40	81.6	4.79	9920	230

ORDERING INFORMATION

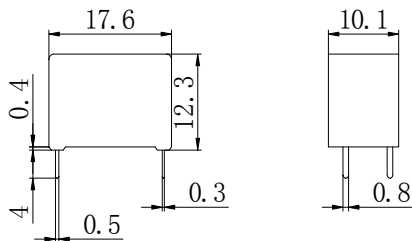
ME-10G - 012 - H S L 2

Model No.	Coil Voltage	Contact Form	Protection	Coil power	Terminals
ME-10G	3, 5, 6, 9, 12 18, 24 or 48VDC	H: 1A	Nil: Flux free type S: Sealed type	Nil: Standard L: Sensitive	1: Type 1 Terminals 2: Type 2 Terminals

Dimensions (unit: mm) Tolerance:±0.3

Outline Dimensions

Type 1



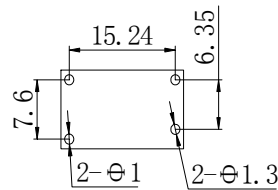
Wiring Diagram

(Bottom view)

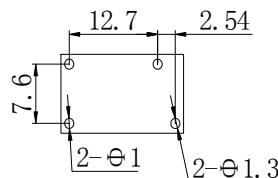
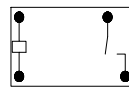
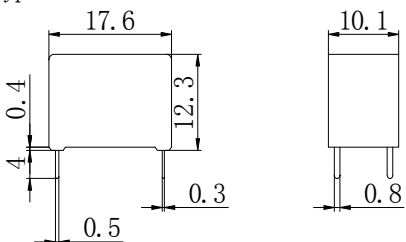


PCB Layout

(Bottom view)



Type 2



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