

## FEATURES

- 1A-NO and 1C configurations
- 5A and 10A switching capabilities
- Subminiature, standard PC layout
- Thermal class B for high temperature
- UL and CUL approval, File No.: E179936
- VDE approval, File No.: 137501

## CONTACT DATA

Contact form	1A ; 1C
Contact resistance	Max. 100mΩ
Contact rating	1A: 5A/250VAC 5A/30VDC 10A/125VAC
1C - NO	5A/250VAC 5A/30VDC 10A/125VAC
- NC	3A/250VAC 3A/30VDC
Max. switching voltage	250VAC/110VDC
Max. switching current	10A
Max. switching capacity	1250VA, 150W
Contact material	AgNi

## CHARACTERISTICS

Insulation resistance	1000MΩ at 500VAC
Dielectric strength	4000VAC, 1 min. between coil to contacts 1000VAC, 1 min. between open contacts
Operate time	8 ms (nominal voltage)
Release time	5 ms (nominal voltage)
Vibration resistance	10-55Hz at double amplitude of 1.6mm
Shock resistance	Malfunction:100m/s <sup>2</sup> ; Mechanical:1000m/s <sup>2</sup>
Humidity	35% to 95%
Ambient temperature	- 40°C to + 85°C
Life expectancy	
- Electrical	1 x 10 <sup>5</sup> operations
- Mechanical	1 x 10 <sup>7</sup> 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)
3	2.25	0.15	150	20	450
5	3.75	0.25	90	55	450
6	4.5	0.3	75	80	450
9	6.75	0.45	50	180	450
12	9	0.6	37.5	320	450
18	13.5	0.9	25	720	450
24	18	1.2	18.8	1280	450
48	36	2.4	9.4	5120	450

## 2. Sensitive

Nominal voltage (VDC)	Pick-up voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(mW)
3L	2.25	0.15	66.7	45	200
5L	3.75	0.25	40	125	200
6L	4.5	0.3	33.3	180	200
9L	6.75	0.45	22.2	400	200
12L	9	0.6	16.7	720	200
18L	13.5	0.9	11.1	1600	200
24L	18	1.2	8.3	2800	200

## ORDERING INFORMATION

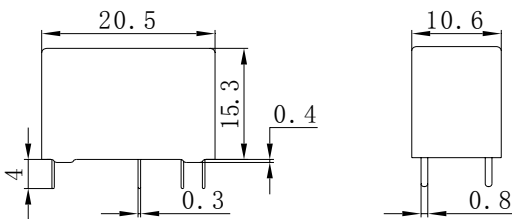
ME-9 - 012 - H S L

Model No.	Coil Voltage	Contact Form	Protection	Power Consumption
ME-9	3VDC-24VDC	H: 1A Z: 1C	Nil: Unsealed S: Sealed	Nil: Standard L: High sensitive

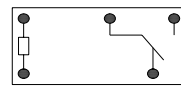
## Dimensions(unit:mm)

Tolerance:±0.3

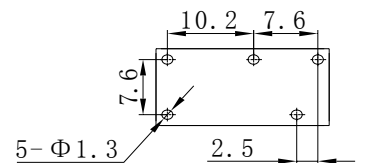
Z: 1C



Schematic



PCB layout



H: 1H

