

FEATURES

- Inrush current 100A
- 10A switching capabilities, 1A and 1C
- Semko approval No. 804626
- UL & CUL approval No. E179936, TUV approval No. R50155207

CONTACT DATA

Contact form	1A ; 1C
Contact resistance (Initial)	100mΩ (measured at 1A / 6VDC)
Contact rating	10A / 30VDC 10A / 250VAC TV-5 125VAC
Max. switching voltage	250VAC,30VDC
Max. switching current	10A
Inrush current	100A
Contact material	AgSnO

CHARACTERISTICS

Insulation resistance	1000MΩ at 500VAC
Dielectric strength – NO - NC	4000VAC, coil to contacts 3000VAC, coil to contacts 1000VAC, between open contacts
Surge strength (for NO)	10000V (at 1.2 x 50μs)
Operate time (nominal V.)	Max. 15 ms
Release time (nominal V.)	Max. 5 ms
Vibration resistance	10-55Hz at double amplitude of 1.5mm
Shock resistance	Functional:200m/s ² ;Destructive:1000m/s ²
Humidity	35% to 85%
Ambient temperature	- 40°C to + 70°C
Life expectancy - Electrical - Mechanical	1 x 10 ⁵ operations (at rated load) 1 x 10 ⁷ 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)	Max. allowable voltage at 20°C (VDC)
5	3.75	0.25	106	47	530	6.5
6	4.5	0.3	88.3	68	530	7.8
9	6.75	0.45	58.9	155	530	11.7
12	9	0.6	44.2	270	530	15.6
18	13.5	0.9	29.4	620	530	23.4
24	18	1.2	22.1	1080	530	31.2
48	36	2.4	11	4400	530	62.4

2. Sensitive for 1A

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 at 20°C (VDC)
5L	3.75	0.25	50	100	250	6.5
6L	4.5	0.3	41.7	145	250	7.8
9L	6.75	0.45	27.8	325	250	11.7
12L	9	0.6	20.8	575	250	15.6
18L	13.5	0.9	13.9	1300	250	23.4
24L	18	1.2	10.4	2310	250	31.2

ORDERING INFORMATION

ME-7 - 012 - H S L B

Model No.	Coil Voltage	Contact Form	Protection	Coil Resistance	Insulation System
ME-7	5、6、9、12、 18 and 24VDC	H: 1A Z: 1C	Nil: Unsealed S: Sealed	Nil: Standard L: Sensitive	Nil: Class A B: Class B

Contact material for Ag Alloy is available.

DIMENSIONS (unit:mm)

Tolerance:±0.3

