

FEATURES

- DIL Pitch terminals: 14 (L) x 9 (W) x 5 (H)
- Surface mount type with "L" shaped terminals: 14.2 (L) x 9.3(W) x 5.3 (H)
- Conforms to FCC part 68 - 1.5kV Surge and Dielectric 1000VAC
- UL and CUL approval, File No.: E179936

CONTACT DATA

Contact form	2C
Contact resistance	50mΩ Max.
Contact rating - Resistive	1A 30VDC 0.5A 125VAC
Max. switching power	30W DC / 62.5VA AC
Max. switching current	1A
Max. switching voltage	220VDC / 250VAC
Min. switching load	0.01mA 10mVDC (reference value)
Contact material	Ag-Pd

CHARACTERISTICS

Insulation resistance	1000MΩ at 500VAC
Dielectric strength	1000VAC, 1 min. between coil & contacts 1000VAC, 1 min. between open contacts 1000VAC, 1 min. between contact poles
Surge withstand voltage	1500V, between coil & contacts 1500V, between open contacts 1500V, between contact poles
Operate time	Approx. 2ms (at nominal voltage)
Release time	Approx. 1ms (at nominal voltage)
Set time (latching)	Approx. 2ms (at nominal voltage)
Reset time (latching)	Approx. 2ms (at nominal voltage)
Vibration resistance	Functional: 3mm D.A. 10 to 55Hz Destructive: 5mm D.A. 10 to 55Hz
Shock resistance	Functional: 50G (11ms) Endurance: 100G (6ms)
Temperature range	- 40°C to + 85°C
Life expectancy - Electrical ((Resistive load) - Mechanical	2 x 10 ⁵ operations at 1A 30VDC 1 x 10 ⁵ operations at 0.5A 125VAC 1 x 10 ⁸ operations
Weight	1.5g

COIL SPECIFICATIONS – 1. Single side stable

Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Coil resistance (Ω±10%)	Power consumption(W)	Max. allow voltage (VDC)
3	2.25	0.3	64.3	0.14	7.5
4.5	3.38	0.45	144	0.14	11
5	3.75	0.5	178	0.14	12.5
6	4.5	0.6	257	0.14	15
9	6.75	0.9	579	0.14	22.5
12	9	1.2	1028	0.14	30
24	18	2.4	2880	0.2	48

2. Latching – 1 coil

Nominal voltage (VDC)	Set, reset voltage (Max.)	Coil resistance ($\Omega \pm 10\%$)	Power consumption(W)	Max. allow voltage (VDC)
3	2.25	90	0.10	8.7
4.5	3.38	202	0.10	13
5	3.75	250	0.10	14.5
6	4.5	360	0.10	17.4
9	6.75	810	0.10	26.1
12	9	1440	0.10	34.8
24	18	3840	0.15	57.6

3. Latching – 2 coil

Nominal voltage (VDC)	Set, reset voltage (Max.)	Coil resistance ($\Omega \pm 10\%$)	Power consumption(W)	Max. allow voltage (VDC)
3	2.25	45	0.20	6
4.5	3.38	101	0.20	9
5	3.75	125	0.20	10
6	4.5	180	0.20	12
9	6.75	405	0.20	18
12	9	720	0.20	24
24	18	1290	0.30	40.8

ORDERING INFORMATION

ME-12

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L112S

Model No.	Sort	Coil Voltage	Kind of Terminals
ME-12	Nil: Single Side Stable L1: 1 Coil Latching L2: 2 Coil Latching	3VDC, 4.5VDC, 5VDC, 6VDC, 9VDC, 12VDC, 24VDC	Nil: DIL Pitch Terminal S: Surface Mount Terminal

DIMENSIONS (unit: mm)

