

## FEATURES

- 5A switching capabilities
- 1 pole configurations
- 2KV dielectric coil to contacts,4KV surge voltage
- Slim size (width 5mm, height 12.5mm)
- High sensitivity 0.12W
- Sealed type available
- UL & CUL approval, File No.: E179936
- TUV approval, File No.: R50076722

## CONTACT DATA

Contact form	1A
Initial contact resistance	50mΩ (at 1A 6VDC)
Contact rating	
Resistive load	5A 250VAC 5A 30VDC
UL/CUL/TUV rating	5A 250VAC 5A 30VDC 5 x 10 <sup>4</sup> ops 3A 250VAC 3A 30VDC 1 x 10 <sup>5</sup> ops
Max. switching power	750VA / 90W
Max. switching current	5A
Max. switching voltage	250VAC 110VDC
Contact material	Silver Alloy

## CHARACTERISTICS

Insulation resistance	1000MΩ 500VDC (Initial)
Dielectric strength	2000VAC between coil to contacts 1000VAC between open contacts
Surge voltage	4000V between contacts and coil (1.2 X 50μs)
Operate time	6 ms (at nomi. Vot.)
Release time	3 ms (at nomi. Vot.)
Shock resistance	Functional: 147m/s <sup>2</sup> ; Destructive: 980m/s <sup>2</sup>
Temperature rise	45°C (at nominal voltage)
Ambient temperature	- 40°C to 70°C
Humidity	5% to 85%
Vibration resistance	10 - 55Hz double amplitude 1.5mm
Life expectancy	
- Electrical	Min. 1 x 10 <sup>5</sup> operations (360 ops/hour)
- Mechanical	Min. 2 x 10 <sup>7</sup> operations (72,000 ops/hour)
Weight	3g

## COIL SPECIFICATIONS

Nominal voltage (VDC)	Pick-up voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Coil current (mA) (at 20°C)	Coil resistance (Ω) (at 20°C)	Power consumption(W)
5	3.5	0.25	24	208±10%	0.12
6	4.2	0.3	20	300±10%	0.12
9	6.3	0.45	13.3	675±10%	0.12
12	8.4	0.6	10	1200±10%	0.12
18	12.6	0.9	6.7	2700±15%	0.12
24	16.8	1.2	7.5	3200±15%	0.18

## ORDERING INFORMATION

ME-28A - 012 - 1H 1G F

Model No.	Coil Voltage	Contact Form	Contact Version Type	Insulation
ME-28A	5, 6, 9, 12, 18, 24VDC	1H: 1 A	1: Single contact (5A 250VAC) 1G: Single contact and Silver Alloy (5A 250VAC) 2G: Bifurcated contact and Silver Alloy (3A 250VAC)	Nil: Class B F: Class F

## Dimensions(unit:mm)

