

**FEATURES**

- 30A switching capacity
- 1 Form A, 1 Form B and 1 Form C configurations
- 1.5KV dielectric strength between coil to contacts
- Heavy load up to 6000VA
- UL and CUL approval, File No.: E179937

**CONTACT DATA**

Contact form	1 Form A, 1 Form B & 1 Form C
Contact resistance	50m $\Omega$ (measured at 1A30VDC)
Contact rating - AC	Form A: 30A/240VAC Form B: 15A/240VAC Form C: NO: 20A/240VAC NC: 10A/240VAC
- DC	Form A: 20A/28VDC Form B: 10A/28VDC Form C: NO: 20A/28VDC NC: 10A/28VDC
Contact material	Silver Alloy

**CHARACTERISTICS**

Insulation resistance	1000M $\Omega$ at 500VDC
Dielectric strength	1500VAC, 1min. between coil to contacts 1500VAC, 1min. between open contacts
Operate time	15 ms
Release time	10 ms
Vibration resistance	10 – 55Hz, DA 1mm
Shock resistance	Malfunction:100m/s <sup>2</sup> ;Mechanical:1000m/s <sup>2</sup>
Humidity	45%-85%RH
Ambient temperature	- 55°C to +85°C
Life expectancy	
- Electrical	1 x 10 <sup>5</sup> operations
- Mechanical	1 x 10 <sup>7</sup> operations

**COIL SPECIFICATIONS**

Nominal voltage (VDC)	Pick-up voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Nominal current (mA $\pm$ 10%)	Coil resistance ( $\Omega$ $\pm$ 10%)	Power consumption(mW)
5	3.75	0.5	186	27	930
6	4.5	0.6	155	40	930
9	6.75	0.9	103.3	97	930
12	9	1.2	77.5	155	930
15	11.25	1.5	62	256	930
18	13.5	1.8	51.7	380	930
24	18	2.4	38.8	660	930
48	36	4.8	19.4	2560	930
110	82.5	2.4	8.5	13450	930

**ORDERING INFORMATION**

**ME-19** - **12** **Z** **S** **2**

Model No.	Coil Voltage	Contact Form	Protection	Version
ME-19	5VDC – 110VDC	H: 1 Form A D: 1 Form B Z: 1 Form C	Nil: Unsealed C: With dust cover S: Sealed	Nil: USA version 2: European version

DIMENSIONS (unit: mm)		SCHEMATIC	
Tolerance: ±0.3		Sealed /Dust Cover	USA VERSION    EUR. VERSION
PCB Layout			
USA Version		European Version	