

## FEATURES

- 30A switching capacity
- 1 A, 1 B and 1 C configurations
- 1.5KV dielectric strength between coil to contacts
- Heavy load up to 6000VA
- UL and CUL approval, File No.: E179937
- TUV approval File No.: 50155304

## CONTACT DATA

Contact form	1 A , 1 B & 1 C
Contact resistance (Initial)	100mΩ (measured at 1A 6VDC)
Contact rating - AC	1A: 30A/240VAC 1B: 15A/240VAC 1C:
- DC	NO: 20A/240VAC NC: 10A/240VAC 1A: 20A/28VDC 1 B: 10A/28VDC 1 C:
	NO: 20A/28VDC NC: 10A/28VDC
Contact material	Silver Alloy

## CHARACTERISTICS

Insulation resistance	1000MΩ 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 1.5mm
Shock resistance	Malfunction:100m/s <sup>2</sup> ;Mechanical:1000m/s <sup>2</sup>
Humidity	45%-85%RH
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

Nominal voltage (VDC)	Pick-up voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Nominal current (mA ± 10%)	Coil resistance ( Ω ± 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	11.0	8.5	13450	930

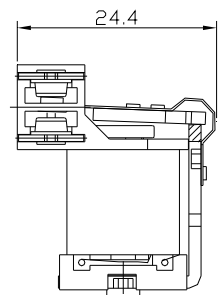
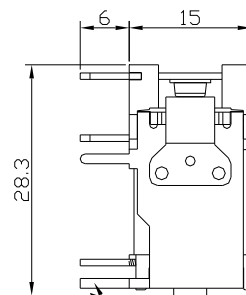
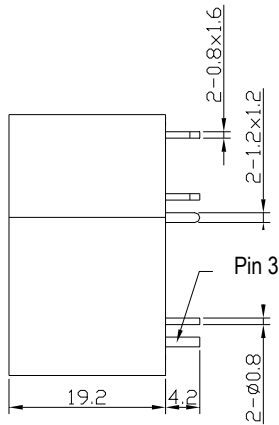
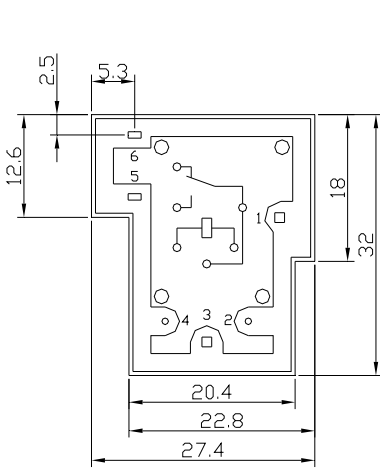
## ORDERING INFORMATION

ME-19 - 012 - Z                      S                      F                      T

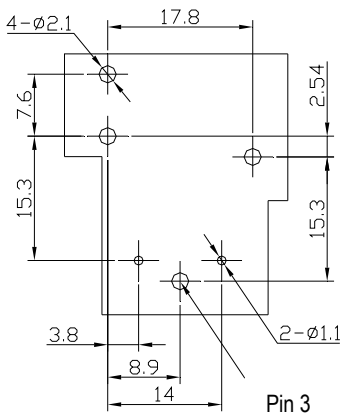
Model No.	Coil Voltage	Contact Form	Protection	Insulation system	Contact Material
ME-19	5VDC – 110VDC	H: 1 A D: 1 B Z: 1 C	Nil: Open type C: With dust cover S: Sealed	Nil: Class A B : Class B F : Class F	Nil: AgCdO T: AgSno

## Dimensions(unit:mm)

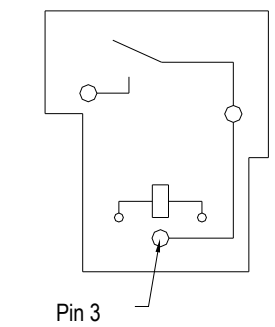
Tolerance:±0.5



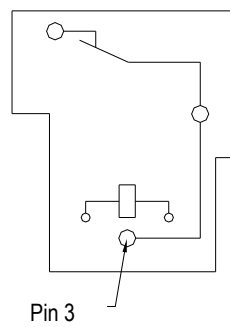
Type N- Remove Pin '3'



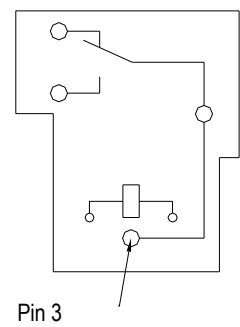
PCB LAYOUT



1A (Type N- Remove Pin '3')



1B (Type N- Remove Pin '3')



1C (Type N- Remove Pin '3')

SCHEMATIC

Disclaimer: All the specifications are subject to change without notice.