

## FEATURES

- QC&PC terminals
- High dielectric strength 3,000VAC
- Optional flanged case for panel mounting
- Class B / F available
- UL and CUL approval, File No.: E179936

## CONTACT DATA

|  |   |
|--|---|
| Contact form                             | 1A, 1B &1C  |
| Contact resistance<br>(Initial)          | 100mΩ (measured at 1A<br>6VDC)  |
| Contact rating<br>resistive load(COSΦ=1) | 1A: 30A/240VAC<br>25A/240VAC<br>20A/28VDC<br>1B: 15A/240VAC<br>10A/28VDC<br>1C(NO): 20A/240VAC<br>10A/28VDC<br>(NC):10A/240VAC<br>10A/28VDC |
| Max.switching power                      | 7200VA / 560W   |
| Max. switching curreng                   | 30A   |
| Max. switching voltage                   | 250VAC / 30VDC  |
| Contact material                         | Silver Alloy  |

## CHARACTERISTICS

|                       |  |
|-----------------------|--|
| Insulation resistance | 1000MΩ at 500VDC   |
| Dielectric strength   | 2500/1500VAC, 1min. between coil to contacts<br>1500VAC, 1min. between open contacts |
| Operate time          | 15 ms  |
| Release time          | 10 ms  |
| Vibration resistance  | 10 – 55Hz, 1.5mm   |
| Shock resistance      | Operating Extremes : 10G<br>Damage Limits : 100G                                     |
| Humidity              | 40-85% RH  |
| Ambient temperature   | - 40 °C to +70 °C (Class F: 85 °C)   |
| Life expectancy       |  |
| - Electrical          | 1 x 10 <sup>5</sup> operations   |
| - Mechanical          | 1 x 10 <sup>7</sup> operations   |

## COIL SPECIFICATION

| Nominal voltage<br>(VDC/VAC) | Pick-up voltage<br>VDC/VAC(Max.) | Drop-out voltage<br>VDC/VAC(Min.) | Nominal current<br>(mA±10%) | Coil resistance<br>(Ω±10%) | Power<br>consumption |
|------------------------------|----------------------------------|-----------------------------------|-----------------------------|----------------------------|----------------------|
| 5VDC                         | 3.75                             | 0.5                               | 186                         | 27                         | 930mW                |
| 6VDC                         | 4.5                              | 0.6                               | 155                         | 39                         | 930mW                |
| 9VDC                         | 6.75                             | 0.9                               | 103.3                       | 87                         | 930mW                |
| 12VDC                        | 9                                | 1.2                               | 77.5                        | 155                        | 930mW                |
| 24VDC                        | 18                               | 2.4                               | 38.8                        | 620                        | 930mW                |
| 48VDC                        | 36                               | 4.8                               | 19.4                        | 2478                       | 930mW                |
| 110VAC                       | 82.5                             | 11                                | 9                           | 13010                      | 930mW                |

## ORDERING INFORMATION

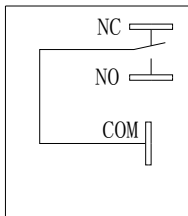
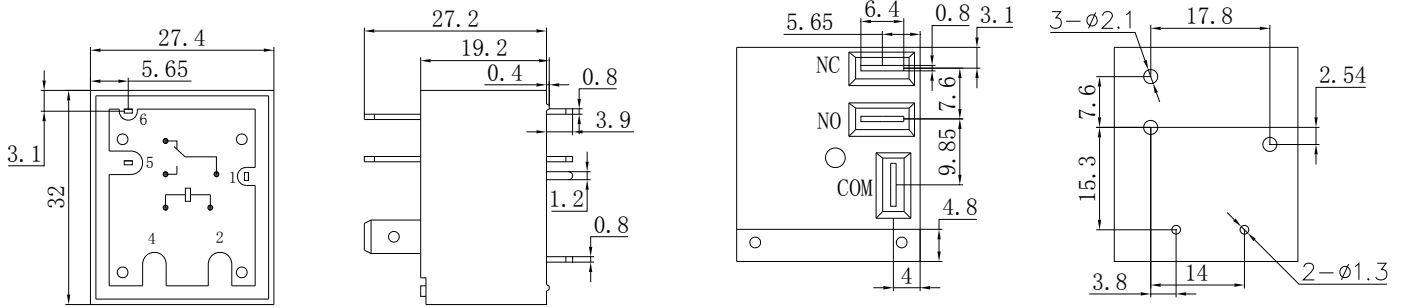
ME-201 - 012                      Z                      F                      S

| Model No. | Coil Voltage              | Contact Form            | Insulation System          | Protection                 |
|-----------|---------------------------|-------------------------|----------------------------|----------------------------|
| ME-201    | 5、6、9、12、24、<br>48、110VDC | H: 1A<br>D: 1B<br>Z: 1C | Nil: Class B<br>F: Class F | Nil: Unsealed<br>S: Sealed |

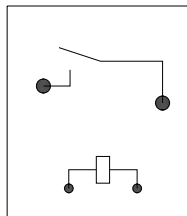
## DIMENSIONS(unit:mm)

Tolerance:±0.3

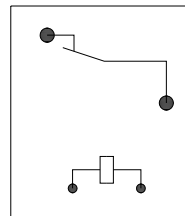
PCB LAYOUT



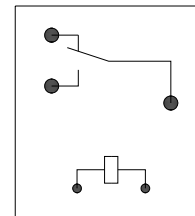
SCHEMATIC



1A



1B



1C

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