

FEATURES

- 1A and 1C configurations
- 12A switching capacity
- Sealed and unsealed type is available
- UL and CUL approval, File No.: E179937,
TÜV approval, File No.: R2034672

CONTACT DATA

| | |
|------------------------|---|
| Contact form | 1 A ; 1 C |
| Contact resistance | Max. 100MΩ |
| Rated load | 12A/125VAC |
| Resistive load | 12A/28VDC 7A/240VAC 1/3 HP 125VAC |
| Rated carrying current | 12A |
| Max. switching voltage | 250VAC/110VDC |
| Min. applicable load | 5VDC 10mA |
| Contact material | Silver Alloy |

CHARACTERISTICS

| | |
|-----------------------|--|
| Insulation resistance | 100MΩ at 500VDC |
| Dielectric strength | 1500VAC, 1min. between coil to contacts 750VAC, 1min. between open contacts |
| Operate time | Max. 10 ms |
| Release time | Max. 5 ms |
| Surge restiveness | 3000V(between coil & contact 1x40μ sec) |
| Ambient temperature | - 40°C to + 70°C |
| Coil temperature rise | Max. 35°C (at rated coil voltage) |
| Humidity | 45% to 85% RH |
| Vibration resistance | 10 – 55Hz at double amplitude 1.5mm |
| Shock resistance | Endurance:100Gmin. Error operation:10Gmin |
| Life expectancy | |
| - Electrical | 1 x 10 ⁵ operations (at rated load) |
| - Mechanical | 5 x 10 ⁶ 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) |
|-----------------------|----------------------------|-----------------------------|--------------------------|-------------------------|-----------------------|
| 3 | 2.25 | 0.3 | 120 | 25 | 360 |
| 5 | 3.75 | 0.5 | 73 | 70 | 360 |
| 6 | 4.5 | 0.6 | 60 | 100 | 360 |
| 9 | 6.75 | 0.9 | 40 | 225 | 360 |
| 12 | 9 | 1.2 | 30 | 400 | 360 |
| 24 | 18 | 2.4 | 15 | 1600 | 360 |
| 48 | 36 | 4.8 | 7.5 | 6400 | 360 |

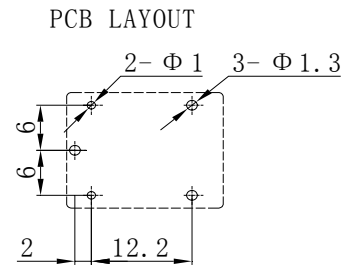
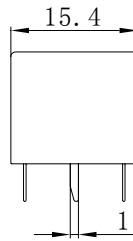
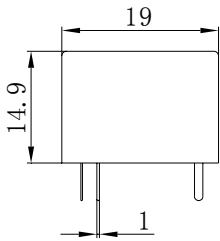
ORDERING INFORMATION

ME-15 - 12 H S

| Model No. | Coil Voltage | Contact Form | Protection |
|-----------|--------------|------------------------------|---------------------------------------|
| ME-15 | 3VDC-48VDC | H: 1 A Z: 1 B Nil: 1 C | Nil: Flux free type S: Sealed type |

Dimensions(unit:mm)

Tolerance: ± 0.3



SCHEMATIC (Bottom View)

