

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.: R50153825

CONTACT DATA

| | |
|----------------------------------|--|
| Contact form | 1 A |
| 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 ⁴ ops 3A 250VAC 3A 30VDC 1 x 10 ⁵ ops |
| Max. switching power | 1250VA / 150W |
| Max. switching current | 5A |
| Max. switching voltage | 250VAC 30VDC |
| Contact material | Silver Alloy |

CHARACTERISTICS

| | |
|-----------------------|---|
| Insulation resistance | 1000MΩ 500VDC (Initial) |
| Dielectric strength | 2000VAC between coil to contacts D: 3000VAC 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 ² ; Destructive: 980m/s ² |
| Temperature rise | 45°C (at nominal voltage) |
| Ambient temperature | - 40°C to 85°C |
| Humidity | 5% to 85% |
| Vibration resistance | 10 - 55Hz double amplitude 1.5mm |
| Life expectancy | Min. 1 x 10 ⁵ operations (360 ops/hour) Min. 2 x 10 ⁷ 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) | Max. allowable voltage (VDC) |
|-----------------------|----------------------------|-----------------------------|-----------------------------|-------------------------------|----------------------|------------------------------|
| 5 | 3.5 | 0.25 | 24 | 208±10% | 0.12 | 6 |
| 6 | 4.2 | 0.3 | 20 | 300±10% | 0.12 | 7.2 |
| 9 | 6.3 | 0.45 | 13.3 | 675±10% | 0.12 | 10.8 |
| 12 | 8.4 | 0.6 | 10 | 1200±10% | 0.12 | 14.4 |
| 18 | 12.6 | 0.9 | 6.7 | 2700±15% | 0.12 | 21.6 |
| 24 | 16.8 | 1.2 | 7.5 | 3200±15% | 0.18 | 28.8 |
| 24L | 18 | 1.2 | 5 | 4800±15% | 0.12 | 28.8 |

ORDERING INFORMATION

ME-28-u-1Hwxyztq

u stands for Coil voltage:

4.5: 4.5VDC, 005: 5VDC, 006: 6VDC, 009: 9VDC, 012: 12VDC, 018: 18VDC
23.5: 23.5VDC, 024: 24VDC

w stands for Contact version:

1: Single contact without gold plated
1G: Single contact with gold plated
2: Bifurcated contact without gold plated (only for AgNi contact material)
2G: Bifurcated contact with gold plated (only for AgNi contact material)

x stands for Contact material:

Blank: AgNi
T: AgSnO₂
C: AgCdO

y stands for Coil power:

Blank: normal version

coil voltage at 24VDC: 0.18W, the other coil voltages: 0.12W

L: special version(Only for coil voltage at 24VDC: 0.12W)

z stands for UL insulation class:

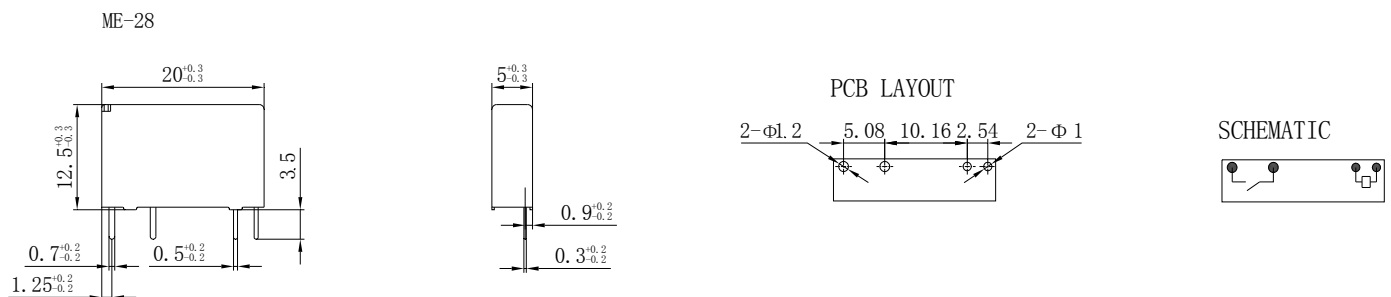
Blank: Class A
B: Class B
F: Class F

t stands for Dielectric voltage:

Blank: Standard dielectric voltage 2000Vac (for all contact materials)
D: High dielectric voltage 3000Vac (only for the contact materials AgSnO₂ or AgNi; the contact pin distance is 5.08mm)

q stands for Optional suffix(s): Optional suffixes do not effect construction.
Maybe followed by additional letter(s) and/or number(s) for sales purpose(s) or safety standard(s).

Dimensions(unit:mm)



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