



Features

- Small size and light weight
- PC board mounting
- UL/CUL certified

Contact Data*

| | |
|---------------------|---|
| Contact Arrangement | 1A = SPST N.O. 1B = SPST N.C. 1C = SPDT |
| Contact Rating | 10A @ 250VAC 10A @ 30VDC |

| | |
|---------------------------|------------------------|
| Contact Resistance | < 50 milliohms initial |
| Contact Material | AgSnO ₂ |
| Maximum Switching Power | 2500VA, 300W |
| Maximum Switching Voltage | 380VAC, 110VDC |
| Maximum Switching Current | 10A |

Coil Data*

| Coil Voltage VDC | | Coil Resistance Ω +/- 10% | | Pick Up Voltage VDC (max) 75% of rated voltage | Release Voltage VDC (min) 10% of rated voltage | Coil Power W | Operate Time ms | Release Time ms |
|------------------|------|----------------------------------|------|---|---|--------------|-----------------|-----------------|
| Rated | Max | .36W | .45W | | | | | |
| 3 | 3.9 | 25 | 20 | 2.25 | .3 | .36 .45 | 10 | 5 |
| 5 | 6.5 | 70 | 56 | 3.75 | .5 | | | |
| 6 | 7.8 | 100 | 80 | 4.50 | .6 | | | |
| 9 | 11.7 | 225 | 180 | 6.75 | .9 | | | |
| 12 | 15.6 | 400 | 320 | 9.00 | 1.2 | | | |
| 24 | 31.2 | 1600 | 1280 | 18.00 | 2.4 | | | |
| 48 | 62.4 | 6400 | 5120 | 36.00 | 4.8 | | | |

General Data*

| | |
|--------------------------------------|-------------------------------------|
| Electrical Life @ rated load | 100K cycles, average |
| Mechanical Life | 10M cycles, average |
| Insulation Resistance | 100M Ω min. @ 500VDC initial |
| Dielectric Strength, Coil to Contact | 1500V rms min. @ sea level initial |
| Contact to Contact | 750V rms min. @ sea level initial |
| Shock Resistance | 100m/s ² for 11 ms |
| Vibration Resistance | 1.55mm double amplitude 10~40Hz |
| Operating Temperature | -40°C to +85°C |
| Storage Temperature | -40°C to +130°C |
| Solderability | 260°C for 5 s |
| Weight | 10g |

* Values can change due to the switching frequency, desired reliability levels, environmental conditions and in-rush load levels. It is recommended to test actual load conditions for the application. It is the user's responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

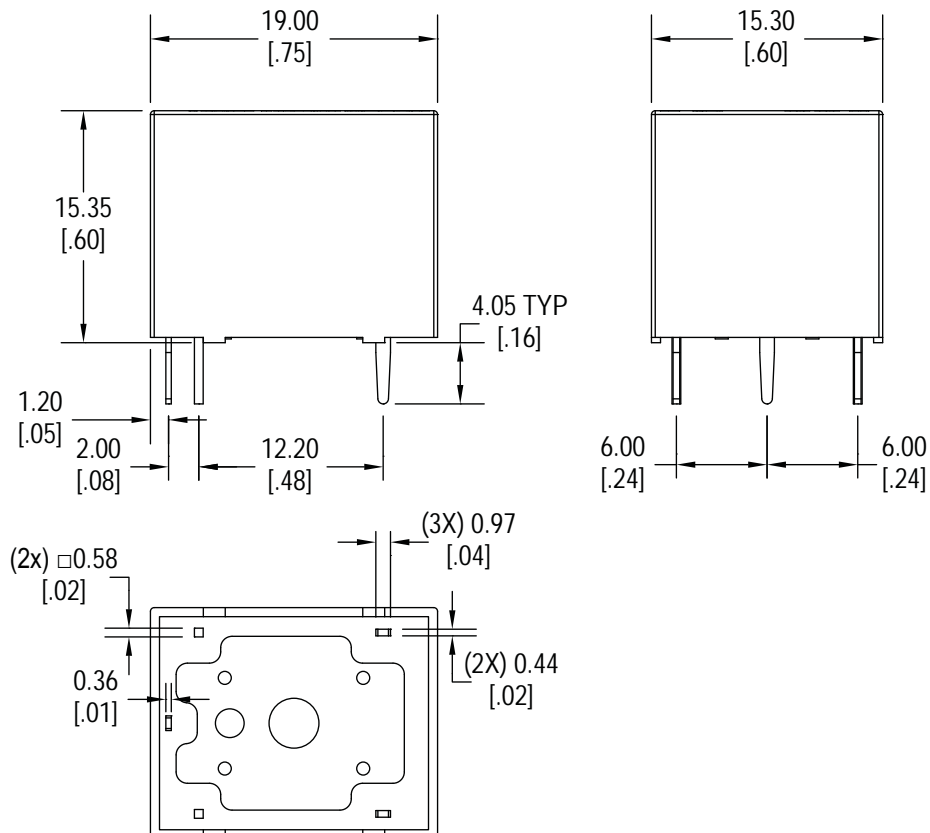
J107E3

Ordering Information

| | | | | | | |
|------------------------|---|----|---|----|-------|-----|
| 1. Series | J107E3 | 1C | S | 10 | 12VDC | .36 |
| J107E3 | | | | | | |
| 2. Contact Arrangement | 1A = SPST N.O. 1B = SPST N.C. 1C = SPDT | | | | | |
| 3. Sealing Option | S = Sealed | | | | | |
| 4. Contact Rating | 10 = 10A | | | | | |
| 5. Coil Voltage | 3VDC 5VDC 6VDC 9VDC 12VDC 24VDC 48VDC | | | | | |
| 6. Coil Power | .36 = .36W .45 = .45W | | | | | |

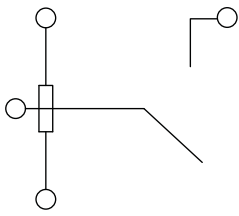
Dimensions

Units = mm

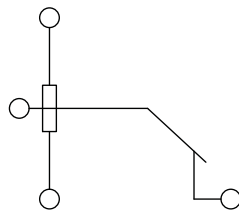


Schematics & PC Layouts

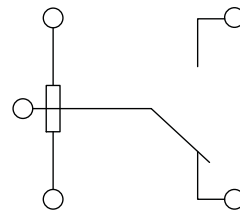
Bottom Views



1A



1B



1C

