



Features

- Small size and light weight
- 25A switching capacity
- F Class materials standard
- QS-9000, ISO-9002 Certified Manufacturing



Contact Data*

| | | | |
|---------------------|---|---------------------------|-------|
| Contact Arrangement | 1C = SPDT | Maximum Switching Power | 480W |
| Contact Rating | 25A @ 14VDC | Maximum Switching Voltage | 20VDC |
| Contact Resistance | < 50 milliohms initial | Maximum Switching Current | 30A |
| Contact Material | AgSnO ₂ In ₂ O ₃ | | |

Coil Data*

| Coil Voltage VDC | | Coil Resistance Ω +/- 10% | | Pick Up Voltage VDC (max) | Release Voltage VDC (min) | Coil Power W | Operate Time ms | Release Time ms |
|------------------|------|---------------------------|------|---------------------------|---------------------------|--------------|-----------------|-----------------|
| Rated | Max | .64W | .80W | 70% of rated voltage | 10% of rated voltage | | | |
| 12 | 15.6 | 225 | 180 | 8.40 | 1.2 | .64 & .80 | 10 | 5 |

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 | 1000V rms min. @ sea level initial |
| Shock Resistance | 100m/s ² for 11 ms |
| Vibration Resistance | 1.27mm double amplitude 10~40Hz |
| Terminal (Copper Alloy) Strength | 4N |
| Operating Temperature | -40°C to +105°C |
| Storage Temperature | -40°C to +155°C |
| Solderability | 260°C for 5 s |
| Weight | 4.1g |

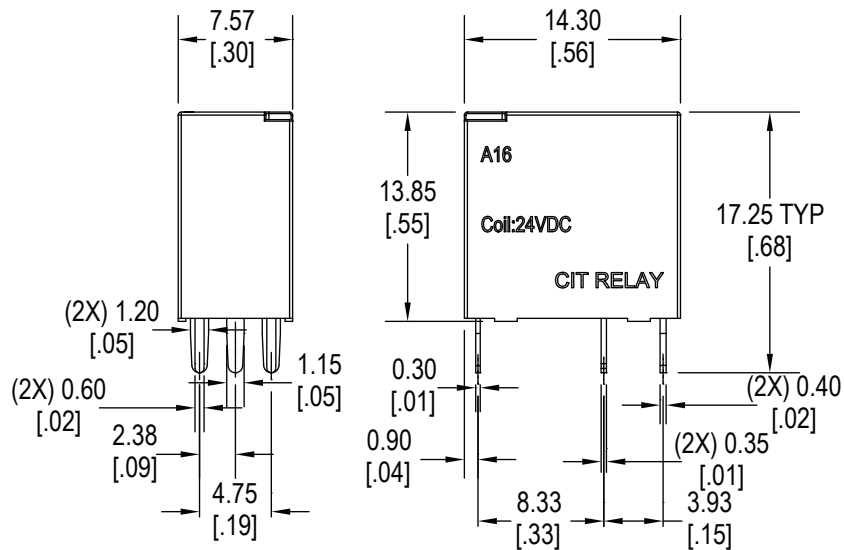
* Values can change due to the switching frequency, desired reliability levels, environmental conditions and in-rush load levels. It is recommended to test actual load conditions for the application. It is the user's responsibility to determine the performance suitability for their specific application.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

Ordering Information

| | | | | | |
|------------------------|------------------------------|----|---|-------|-----|
| 1. Series | A16 | 1C | S | 12VDC | .64 |
| A16 | | | | | |
| 2. Contact Arrangement | 1C = SPDT | | | | |
| 3. Sealing Option | S = Sealed C = Dust Cover | | | | |
| 4. Coil Voltage | 12VDC | | | | |
| 5. Coil Power | .64 = .64W .80 = .80W | | | | |

Dimensions

Units = mm



Schematic & PC Layout

Bottom Views

