



RoHS Compliant

14.5 x 7.7 x 13.7 mm

**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
Contact Rating	25A @ 14VDC
Contact Resistance	< 50 milliohms initial
Contact Material	AgSnO <sub>2</sub> In <sub>2</sub> O <sub>3</sub>

Maximum Switching Power	480W
Maximum Switching Voltage	20VDC
Maximum Switching Current	30A

**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 <sup>2</sup> 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.

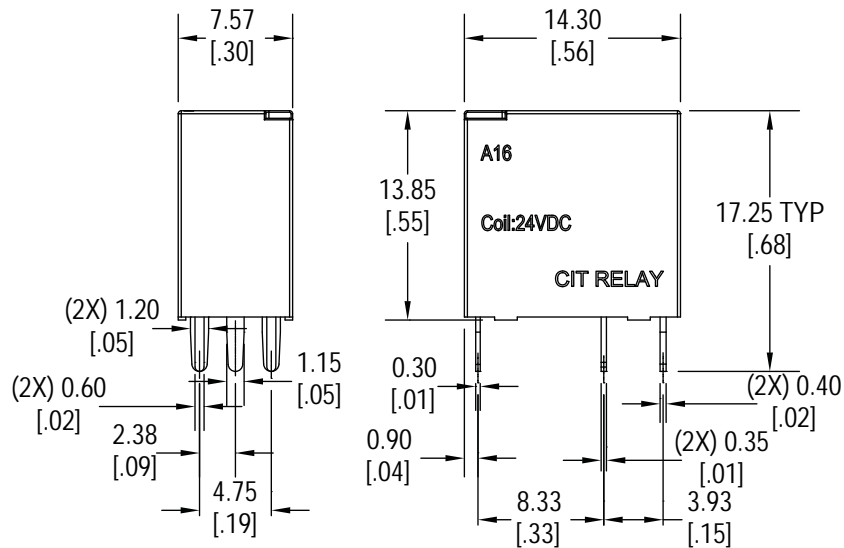
# A16

## 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



## Schematics & PC Layouts

Bottom Views

