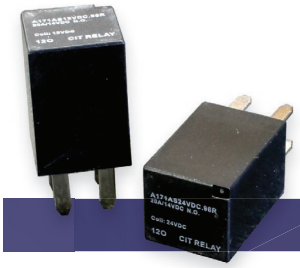


CIT Relay & Switch

A17

16.5 x 15.5 x 24.3 mm

Features

- Switching capacity up to 30A
- Small size and light weight
- Suitable for automobile and lamp accessories

RoHS COMPLIANT

Contact Data*

Contact Arrangement	1A = SPST N.O.
Contact Rating	20A @ 14VDC N.O. 30A @ 14VDC N.O.
Contact Resistance	≤ 50 milliohms initial
Contact Material	$AgSnO_2$

Maximum Switching Power	280W
Maximum Switching Voltage	75VDC
Maximum Switching Current	30A

Coil Data*

Coil Voltage VDC		Coil Resistance Ω +/- 10%	Pick Up Voltage VDC (max) 70% of rated voltage	Release Voltage VDC (min) 10% of rated voltage	Coil Power W	Operate Time ms	Release Time ms
Rated	Max	.96W					
12	15.6	150	9.0	1.2	0.96	≤10	≤5
24	31.2	600	18.0	2.4			

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	750V rms min. @ sea level initial
Dielectric Strength Contact to Contact	5000V rms min. @ sea level initial
Shock Resistance	98m/s² for 11 ms
Vibration Resistance	1.5mm double amplitude 10~55Hz
Operating Temperature	-40ºC to +125ºC
Storage Temperature	-40ºC to +125ºC
Solderability	260ºC for 5 s
Weight	13g

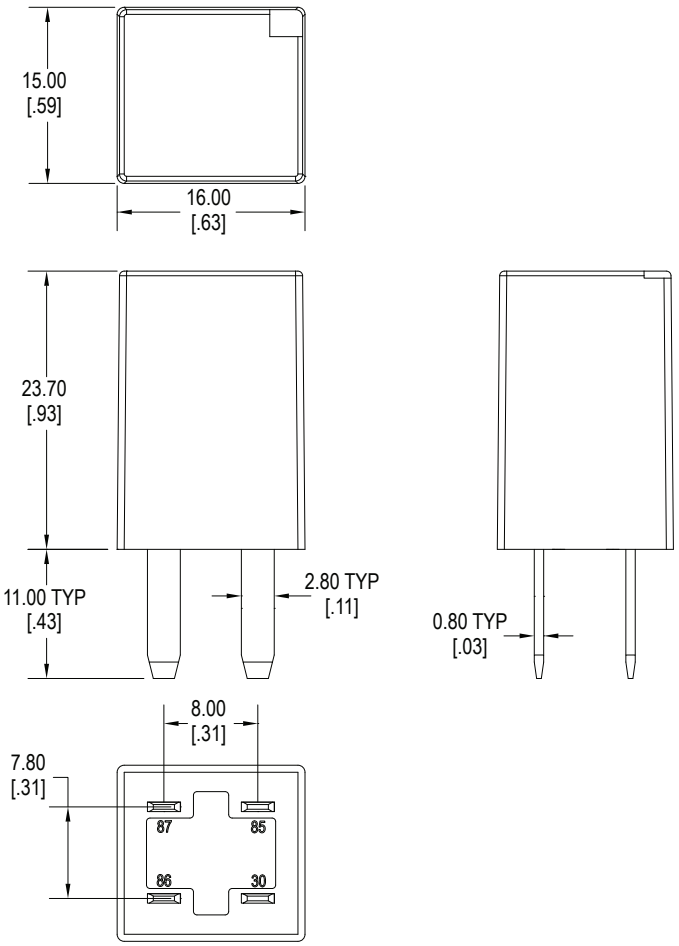
* *Values can change due to the switching frequency, desired reliability levels, environmental conditions and in-rush load levels. It is recommended to test actual load conditions for the application. It is the user's responsibility to determine the performance suitability for their specific application.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

Ordering Information

1. Series	A17	1A	S	12VDC	.96
A17					
2. Contact Arrangement 1A = SPST N.O. (20A contacts) 1AH - SPST N.O. (30A contacts)					
3. Sealing Option S = Sealed					
4. Coil Voltage 12VDC 24VDC					
5. Coil Power .96 = .96W					
5. Coil Suppression Blank = Standard R = Resistor (1100 for 12VDC, 4300 for 24VDC) D = Diode (IN4007) Cathode on “86” terminal					

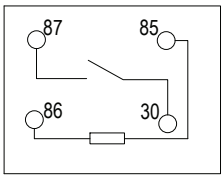
Dimensions

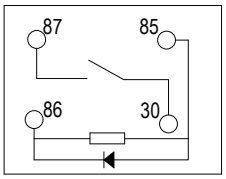
Units = mm



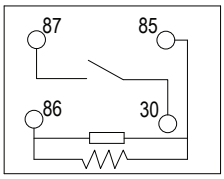
Schematics

Bottom Views

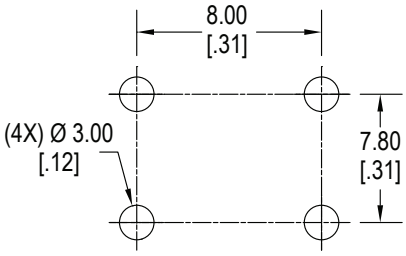




with Diode



with Resistor

PC Layout

Bottom View