



RoHS Compliant



CIT RELAY & SWITCH™
Division of Circuit Interruption Technology, Inc.

A1M

20.5 x 15.4 x 22.1 mm

Features

- Switching capacity up to 40A
- Small size and light weight
- Suitable for automobile and lamp accessories
- QS-9000, ISO-9002 Certified Manufacturing

Contact Data*

Contact Arrangement	1A = SPST N.O. 1C = SPDT
Contact Rating	40A @ 14VDC, Normally Open 25A @ 14VDC, Normally Closed

Contact Resistance	< 50 milliohms initial
Contact Material	AgSnO ₂
Maximum Switching Power	560W
Maximum Switching Voltage	28VDC
Maximum Switching Current	40A

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		65% of rated voltage	10% of rated voltage			
12	15.6	96	7.2	1.2	1.5	10	10
24	31.2	320	14.4	2.4	1.8		

General Data*

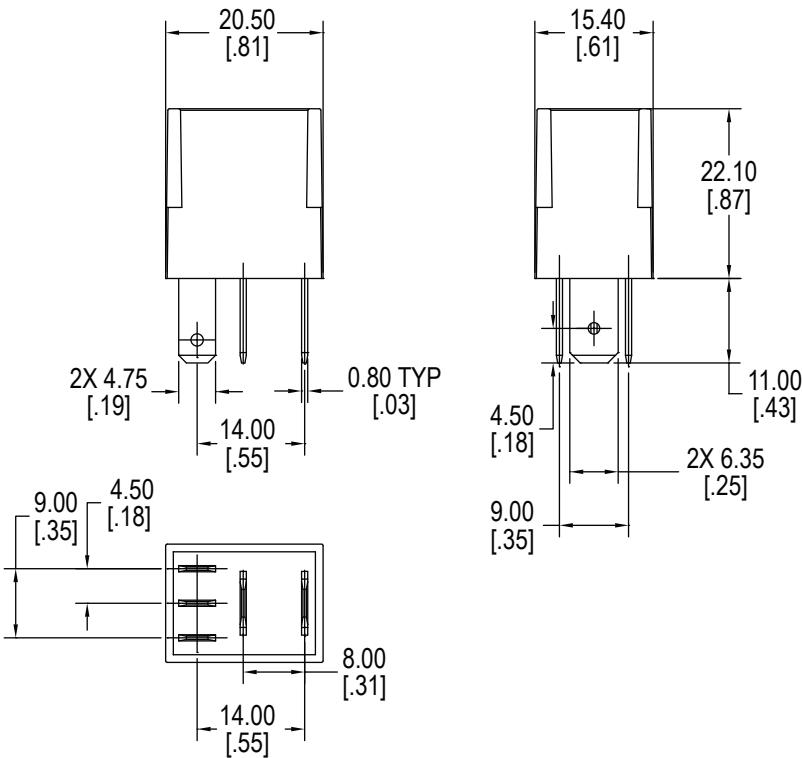
* Values can change due to the switching frequency, desired reliability levels, environmental conditions and in-rush load levels. It is recommended to test actual load conditions for the application. It is the user's responsibility to determine the performance suitability for their specific application.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

Ordering Information

1. Series	A1M	1A	C	Q	12VDC	
A1M						
2. Contact Arrangement						
1A = SPST N.O.						
1C = SPDT						
3. Sealing Option						
S = Sealed						
C = Dust Cover						
4. Termination						
Q = Quick Connect						
5. Coil Voltage						
12VDC						
24VDC						
6. Coil Suppression						
Blank = Standard						
D = Diode (1N4005)						
R = Resistor (680 ohms for 12VDC, 2700 ohms for 24VDC)						
** Consult factory if other values are needed						

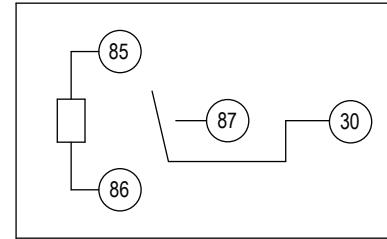
Dimensions

Units = mm

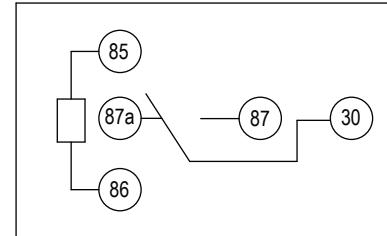


Schematics & PC Layouts

Bottom Views



1A



1C