

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

RoHS Compliant

A9

35.5 x 25.5 x 21.0 mm

Features

- Switching capacity up to 40A
- Accommodates standard sized automotive fuse
- Standard automotive relay footprint
- Suitable for automobile and lamp applications
- Metal mounting tab

Contact Data

Contact Arrangement	1A = SPST N.O.
Contact Rating	40A @ 14VDC

Contact Resistance	< 50 milliohms initial
Contact Material	$AgSnO_2$
Maximum Switching Power	560W
Maximum Switching Voltage	75VDC
Maximum Switching Current	40A

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	1.8W					
6	7.8	20	4.20	.6	1.80	7	5
12	15.6	80	8.40	1.2			
24	31.2	320	16.80	2.4			

General Data

Electrical Life @ rated load	100K cycles, typical
Mechanical Life	10M cycles, typical
Insulation Resistance	100M Ω min. @ 500VDC
Dielectric Strength, Coil to Contact	750V rms min. @ sea level
Contact to Contact	500V rms min. @ sea level
Shock Resistance	100m/s² for 11 ms
Vibration Resistance	1.27mm double amplitude 10~40Hz
Terminal (Copper Alloy) Strength	8N
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +155°C
Solderability	260°C for 5 s
Weight	32g

Caution

1. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

Specifications and availability subject to change without notice.

Dimensions shown in mm. Dimensions are shown for reference purposes only.

www.citrelay.com
phone - 763.535.2339 fax - 763.535.2194

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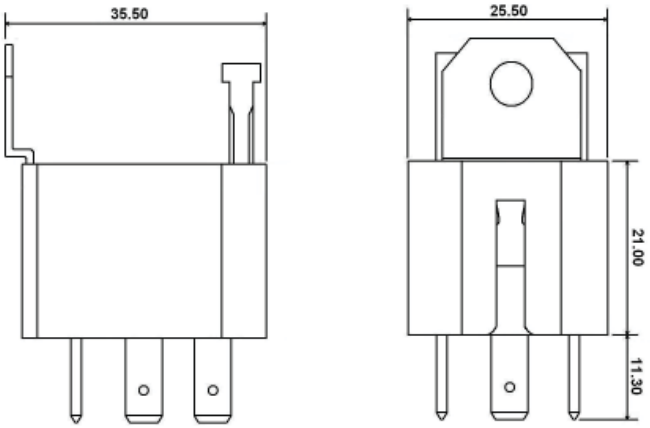
A9

Ordering Information

1. Series	A9	1A	C	12VDC	-30A
A9					
2. Contact Arrangement 1A = SPST N.O.					
3. Sealing Option C = Dust Cover					
4. Coil Voltage 6VDC 12VDC 24VDC					
5. Fuse Option 3A 4A 5A 7-1/2A 10A 15A 20A 25A 30A					

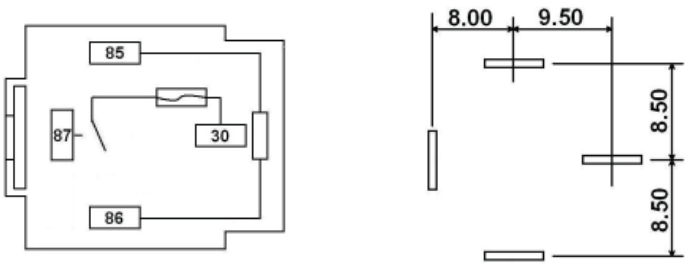
Dimensions

Units = mm



Schematics & PC Layouts

Bottom View



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