

RoHS Compliant CNUs



Features

- Large switching capacity up to 40A
- Small size and light weight
- PCB pin and quick connect mounting available
- Suitable for automobile and lamp accessories
- QS-9000, ISO-9002 Certified Manufacturing

Contact Data

Contact Arrangement	1A = SPST N.O.	Contact Resistance	< 30 milliohms initial	
	1B = SPST N.C.	Contact Material	AgSnO ₂	
	1C = SPDT	Maximum Switching Power	630W	
Contact Rating	1A : 40A @ 14VDC	Maximum Switching Voltage	75VDC	
	1B : 30A @ 14VDC	Maximum Switching Current	40A	
	1C : 40A @ 14VDC N.O. and			
	: 30A @ 14VDCN.C.			

Coil Data

	/oltage Coil Resistance DC Ω +/- 10%		Pick Up Voltage VDC (max)Release Voltage VDC (min)70% of rated10% of rated		Coil Power W	Operate Time ms	Release Time ms		
Rated	Max	1.6W	1.9W	voltage	voltage				
6	7.8	22.5	19	4.20	6		7	5	
12	15.6	90	75.8	8.40	1.2	1.60 or 1.90			
24	31.2	360	303.2	16.80	2.4	1.00 01 1.90			
48	62.4	1440	1212	33.60	4.8				

General Data

Electrical Life @ rated load	100K cycles, typical				
Mechanical Life	10M cycles, typical				
Insulation Resistance	100M Ω min. @ 500VDC	Caution 1. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.			
Dielectric Strength, Coil to Contact	750V rms min. @ sea level				
Contact to Contact	500V rms min. @ sea level				
Shock Resistance	147m/s ² for 11 ms				
Vibration Resistance	1.5mm double amplitude 10~40Hz				
Terminal (Copper Alloy) Strength	8N (quick connect), 4N (PCB pins)				
Operating Temperature	-40°C to +125°C				
Storage Temperature	-40°C to +155°C				
Solderability	260°C for 5 s				
Weight	31g				

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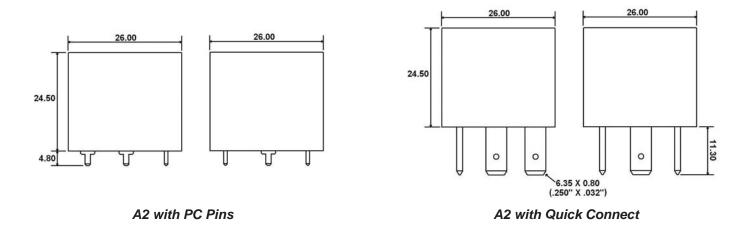
<u>A2</u>

Ordering Information

1. Series	A2	1C	S	Q	12VDC	1.6	
A2 standard A2F with mounting flange A2M with metal bracket A2S with metal bracket and shroud							
2. Contact Arrangement 1A = SPST N.O. 1B = SPST N.C. 1C = SPDT							
3. Sealing Option S = Sealed C = Dust Cover *not available with A2S							
4. Termination P = PCB Pins *not available with A2S Q = Quick Connect							
5. Coil Voltage 6VDC 12VDC 24VDC 48VDC							
6. Coil Power 1.6 = 1.6W 1.9 = 1.9W							
7. Coil Suppression Blank = Standard D = Diode (1N4005) Cathode on "86" term D1 = Diode (1N4004) Cathode on "86" ter R = Resistor (180 Ω for 6VDC; 680 Ω for 12 2D = 2 Diodes (1N4005) DR = Diode & Resistor Cathode on "86" te ** Consult factory if other values are needed	minal VDC; 2700Ω t		6VDC; 680Ω f	or 12VDC; 27	00Ω for 24VD0	2)	

Dimensions

Units = mm



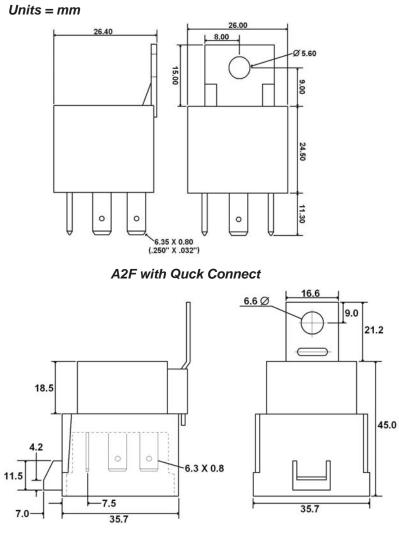
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Dimensions shown in mm. Dimensions are shown for reference purposes only.



Dimensions



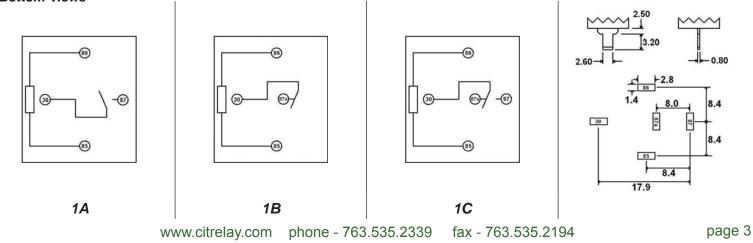
30.50 30.50 7.80

A2M with Quick Connect

A2S with Quick Connect

Schematics & PC Layouts

Bottom Views



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

Specifications and availability subject to change without notice.