

# AR4 series

- Automotive Relay
- 40A Continuous contact rating @ 85°C
- Small Size
- Light weight - approx. 1.2 oz (35 g)
- Quick Connect or PC Board Terminals
- Optional Mounting Bracket
- RoHS Compliant



## Contact Data

Specifications		
Contact Arrangement	1 Form A (SPST-NO)	1 Form C (SPDT)
Contact Rating (resistive)	40A/14VDC	N.O.: 40A/14VDC N.C.: 30A/14VDC
Material	AgSnO <sub>2</sub>	
Max. Switching Current	40 amps	
Max. Switching Power	630W	
Max. Switching Voltage	75VDC	

## Expected Life:

Electrical: 100,000 Operations @ 40A/14VDC resistive

Mechanical: 10 Million Operations

## Coil Data

Voltage: 6, 12 and 24VDC

Coil Voltage	Coil Resistance +/- 10% (ohms)	Must-Operate Voltage (VDC)	Must-Release Voltage (VDC)	Nominal Power
6	22.5	3.9	0.6	1.6W
12	90	7.8	1.2	1.6W
24	360	15.6	2.4	1.6W

## Environmental Data

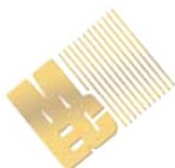
Operating Temperature Range: -40°C to + 125°C

Shock Resistance: 147m/s<sup>2</sup>, 11ms

Vibration Resistance: 10-40 Hz., 1.5mm double amplitude

## Ordering Information

Family	Enclosure	Contact Arrangement	Coil Voltage	Contact Material	Terminals	Options
AR4	1 = Dust Cover 4 = Dust Cover with Bracket	1 = 1 Form A 5 = 1 Form C	D = 6VDC F = 12VDC H = 24VDC	1 = AgSnO <sub>2</sub>	1 = 0.250" Quick Connect 3 = Printed Circuit	S07 = 180 ohm resistor in parallel with 6VDC coil S01 = 680 ohm resistor in parallel with 12VDC coil S08 = 2700 ohm resistor in parallel with 24VDC C01 = epoxy sealed unit C05 = epoxy sealed unit with resistor

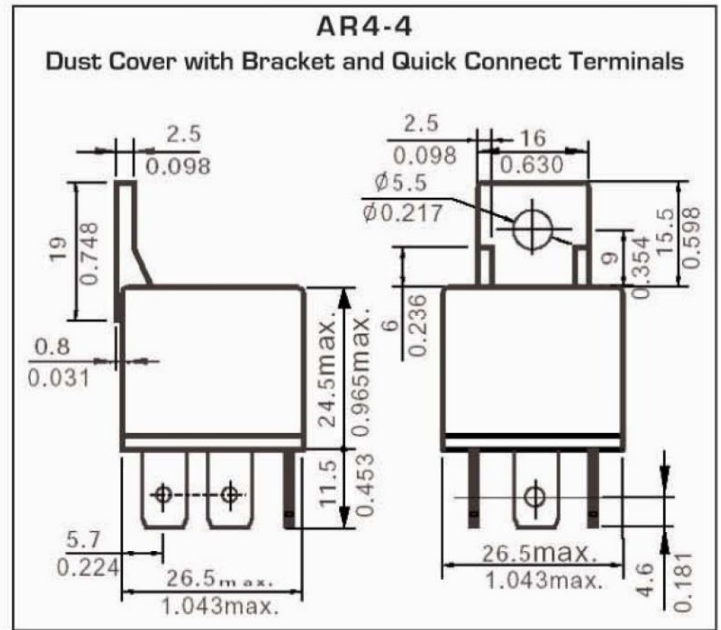
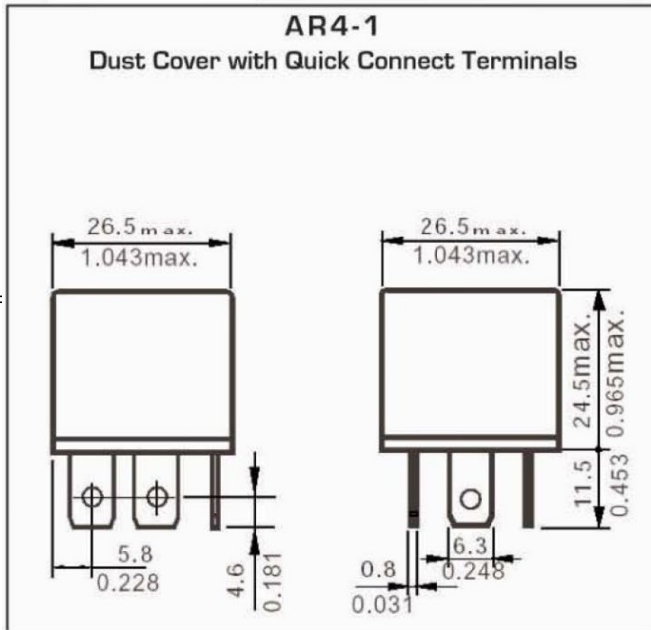


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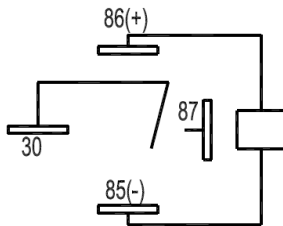
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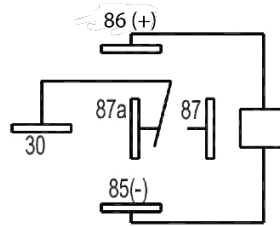
## Dimensions



## Wiring Diagrams (Bottom Views)

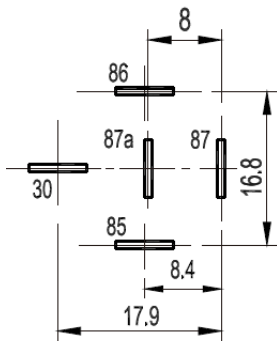


1 Form A

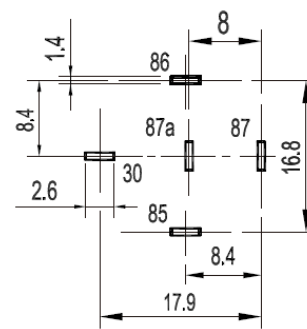


1 Form C

## Suggested PC Board Layouts (Bottom Views)



Plug in type 1



PCB type



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