

AR7 series

- Automotive Relay
- 70 AMP Contact Rating
- Small Size
- Quick Connect or PC Board Terminals
- RoHS Compliant

Contact Data

Arrangements: 1 Form A (SPST-NO)

Material: AgSnO₂

Max Switching Current: 70 amps

Max. Switching Power: 980 W

Max. Switching Voltage: 75VDC

Expected Life:

Electrical: 100,000 Operations @ 70 Amp/ 14 VDC 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)	Nom. Power
6	19	3.6	0.6	1.9W
12	76	7.2	1.2	1.9W
24	303	14.4	2.4	1.9W

Environmental Data

Operating Temperature Range: -40°C - + 105°C

Shock Resistance: 30m/S² 6ms

Vibration Resistance: 20-500Hz., 1.8mm double amplitude

Ordering Information

Family -	Enclosure	Contact Arrangement	Coil Voltage	Contact Material	Terminals	- Options
AR7	1 = Dust Cover 4 = Dust Cover with Bracket	1 = 1 Form A	D = 6VDC F = 12VDC H = 24VDC	1=AgSnO ₂	1 = Quick Connect 2 = Printed Circuit	S01 = 680 ohm resistor in parallel with 12VDC coil S08 = 2700 ohm resistor in parallel with 24VDC



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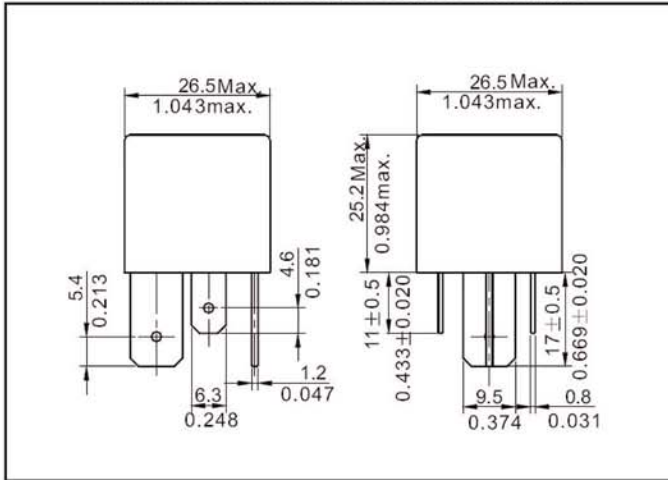
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Dimensions

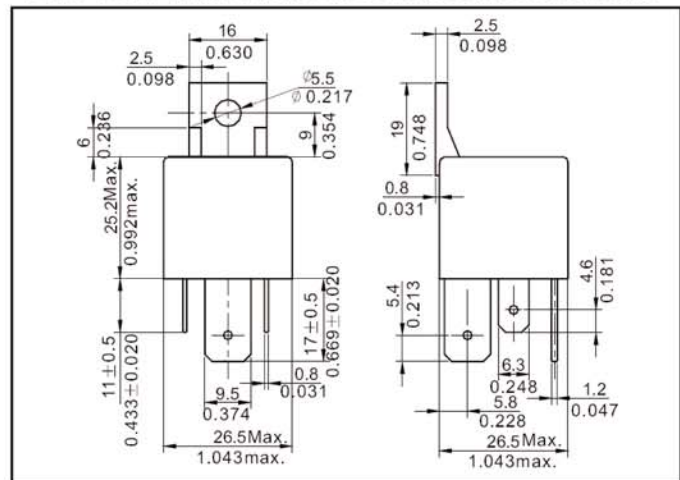
AR7-1

Dust Cover with Quick Connect Terminals

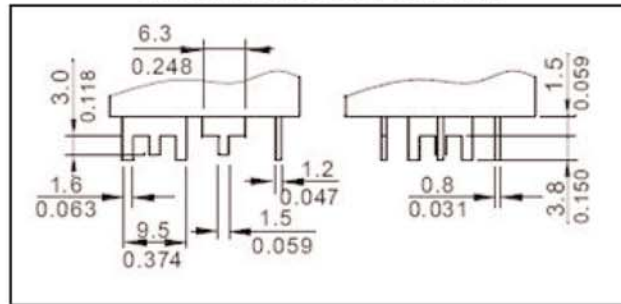


AR7-4

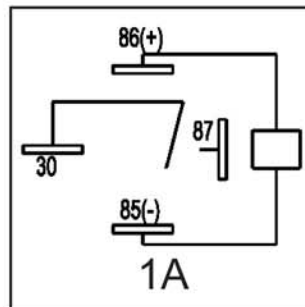
Dust Cover with Bracket and Quick Connect Terminals



Printed Circuit Board Terminals

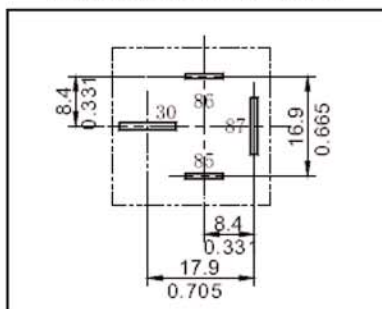


Wiring Diagrams (Bottom Views)

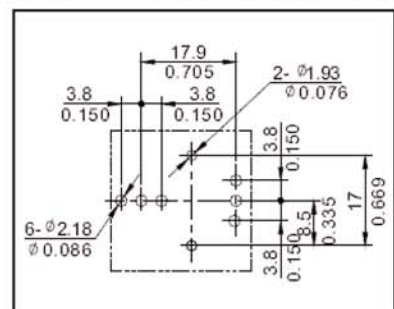


Suggested PC Board Layouts (Bottom Views)

Quick Connect Terminals



Printed Circuits Board Terminals



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