

# A2H Series Relay *automotive*

## current applications

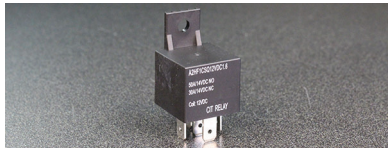
- School Buses
- Lawn Mowers
- Wheelchair Lifts
- Fork Lifts
- Marine & Yachts
- Rear Lift Gates
- Recreational Vehicles
- Tractors
- ATV's
- Golf Carts

Automotive relays are used in a wide variety of automotive-related equipment, lamp accessories and bus applications. Available in many sizes with switching capacity up to 80amps including shrouded and water resistant versions.

The 50amp A2H Series relay offers low temperature rise at full load. With large switching capacity and rugged construction, this automotive relay features the option of PC pin or quick connect mounting option with two styles of mounting flanges. Contact arrangement choices are 1A or 1C with coil voltage of 12VDC or 24VDC. CIT Relay & Switch engineering is ready to help you determine which options are right for your application.



Standard Housing



F Style Flange



M Style Flange

## contact and coil data

Contact Arrangement	1A : SPST N.O.; 1C : SPDT
Contact Rating	1A : 50A @ 14VDC; 1C : 50A @ 14VDC N.O. or 30A @ 14VDC N.C.
Contact Resistance	≤50Ω initial
Contact Material	AgSnO <sub>2</sub>
Electrical Load at rated load	100K cycles, average
Mechanical Life	10M cycles, average
Insulation Resistance	100MΩ minimum at 50VDC, initial
Dielectric Strength coil to contact / contact to contact	750V rms minimum / 500V rms minimum at sea level initial
Shock Resistance / Vibration Resistance	294m/s <sup>2</sup> for 11 minutes / 10mm double amplitude 10~11.3Hz
Terminal Strength (Copper Alloy)	8N (quick connect), 4N (pcb pins)
Operating / Storage Temperature	-40°C to 125°C / -40°C to 155°C
Solderability	260°C for 5 seconds
Dimensions / Weight	26.0 x 26.0 x 22.7mm / 35g

CIT Relay & Switch manufactures a broad array of RoHS compliant electromechanical automotive, telecom, security, industrial and HVAC relays and switches. Thank you for giving CIT Relay & Switch the opportunity to demonstrate why so many are joining our growing list of satisfied customers — customers who have come to rely on the service and quality provided by CIT Relay & Switch.

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