



DATE : March 4, 2009
FOR IMMEDIATE RELEASE

CIT Relay & Switch A2 Series Automotive Relay Large 40A Switching Capacity

Minneapolis, Minnesota – The A2 Series is small in size and light weight. Offering both PCB pin and .250 Quick Connect terminals, the A2 is available with a weatherproof shroud along with mounting flange and metal bracket options. Coil voltage options are 6VDC, 12VDC and 24VDC with coil power choices of 1.6W and 1.9W. CIT Relay & Switch QS9000 and ISO9002 certified manufacturing insures quality and continuous reliability.

Contact Data: Contact arrangement choices are SPST Normally Closed, SPST Normally Open, SPDT and SPST Normally Open two terminals. Rating is 40A at 14VDC, 30A at 14VDC, 40A at 14VDC N.O., 30A at 14VDC N.C. and 2x20A @ 14VDC. Contact resistance is less than 30Ωmm. Contact materials is AgSnO₂. Maximum switching power is 630W, maximum switching voltage is 75VDC, with maximum switching current 40A. Coil suppression is diode, resistor or in combination.

General Data: Mounting options are PC mount, plastic flange, metal flange and shroud. Electrical life is 100K cycles with mechanical life of 10M cycles. Insulation resistance is 100MΩ at 500VDC. Dielectric strength coil to contact is 750V rms with contact to contact at 500Vrms. Shock resistance is 147m/s² for 11ms. Vibration resistance is 1.5mm double amplitude 10~40Hz. Copper alloy terminal strength is 8N (quick connect) and 4N (PCB pins). Operating temperature is -40°C to 125°C with storage temperature of -40°C to 155°C. Solderability is 260°C for 5s. The weight of the A5 relay is 31g and measures 26.0mm x 26.0mm x 24.5 (39.5)mm.

Typical applications for the A2 Series relay applications include automotive and lamp accessories: ABS control, cooling fan, blower fan, fuel pump, car alarm, trunk lock, window control and numerous others.

