

Emergency Vehicles *relays & switches*

Relays, switches, and solid-state relays play crucial roles in the operation and control of various systems in emergency vehicles. These components help manage electrical loads, ensure reliable operation of critical systems, and provide safe and efficient control. Integral to the functionality of emergency vehicles, they provide control, power management, and safety for critical systems. Their reliability and durability are essential for the demanding conditions in which these vehicles operate.



PC775 Series

Featuring 75 amp at 14VDC continuous carry, the PC775 screw terminal automotive relay has a max switching current of 150 amps. H Class insulation with copper stud construction for efficient heat dissipation are hallmarks of this rugged relay. Choose from 12VDC or 24VDC with options of resistor, diode or double diode. Coil power is 2.9W.



PC776 Series

Featuring 130 amp at 14VDC continuous carry, the PC776 screw clamp automotive relay has a max switching current of 300 amps. With Form 1X bifurcated contacts, this heavy duty relay gives the design engineer the choice of 12VDC or 24VDC with an IP54 rated dust cover or IP67 sealed enclosure option. Snubber components include a resistor or diode. Coil power is 3.9W with 12VDC or 4.1W with 24VDC. This rugged relay weighs 220 grams and comes standard with F Class insulation.



A2H Series

Low temperature rise at full load is a hallmark of the A2H Series. With large switching capacity up to 50A and a choice of PC pin or quick connect mounting, this ruggedly constructed relay offers 1A or 1C contact arrangement with coil voltage option of 12VDC or 24VDC. Coil power is 1.6W. The A2H Series dimensions are 26.0 x 26.0 x 22.7mm, with two styles of mounting flanges.



A6 Series

The A6 Series automotive relay is small in size and light weight. Offering low coil power consumption, switching current is up to 30A with contact arrangement choices of 1A or 1C. Coil voltage options are 12VDC or 24VDC with coil power of 0.9W or 1.3W. With PC pin mounting, the A6 Series is 22.5 x 15.0 x 25.2mm. Contact factory directly for information on our shrouded version.



A17 Series

With switching capacity up to 30A, the A17 Series automotive relay is light weight and small in size. Suitable for automotive and lamp accessories, the A17 offers contact arrangement of 1A with coil voltage options of 12VDC or 24VDC and coil power of .96W. PC pin mounted, the A17 Series is 16.5 x 15.5 x 24.3mm in size.



Relay Sockets

CIT Relay & Switch offers relay sockets for a large number of automotive and UL approved relays. For use in both PC Pin and Panel Mount & Wire assembly. Din Rail Mountable and Finger Safe DIN Rail Mountable are also available.



Anti-Vandal Switches

With sealing degree of IP67, our Vandal-Resistant Switches are available in a variety of sizes from 12mm up to 40mm. Also available with UL approval in our switches offer both ring and dot illumination and non-illuminated options. Choose a rounded convex, flat or raised actuator. Choices of body and actuator color include stainless steel, nickel and anodized aluminum in black, red, yellow, green or blue, with LED bi-color options.

popular solid state relays for use in emergency vehicle applications



PCS28 Series

The PCS28 Series is a dual solid state relay with two independently controlled SCR output relays. With no internal moving parts, the PCS28 is panel mount and offers a built in snubber and opto-isolation between input and output. Packaging options include Quick Connect Output Pins with 4 position header Input Pins, Quick Connect on all 8 pins, or Single Input control for Dual Output screw terminal, screw terminal input, screw terminal outputs with LED. Voltage control options are 12VDC or 24VDC with load voltage options of 240A, 380A, or 480A and load current options of 25A, 40A or 50A. Switching type is zero crossing or random turn-on. UL Approval is E93379



PCS34 Series

Available in an AC Input or DC Input options, the PCS34 solid state relay offers high power - load currents from 25 to 125 amps. Terminal types are screw terminal or quick connect with an optional LED indicator. Voltage control is 240A or 480A with zero crossing switching type. Over voltage protection with Varistor is available.



PCS53 Series

The PCS53 Series is a compact packaged DC Input / AC Output solid state relay. With no internal moving parts, the PCS53 is panel mount and offers a built in snubber. Packaging options include quick connect or screw terminal. Voltage control options are D, 24A, 120A or 240A with load voltage options of 240A or 380A and load current options of 10A, 15A, 20A or 25A. Switching type is zero crossing or random turn-on. Optional LED indicator is available.

CIT Relay & Switch validation test lab

CIT Relay & Switch has a sophisticated test lab for failure analysis and material testing, helping our customers solve their toughest problems. Our aim is to establish long-lasting relationships with our customers by providing comprehensive technical expertise using our state-of-the-art test lab. Providing accurate and concise solutions, we give our customers the best explanation about how their components perform. Contact a CIT Application Engineer to validate product suitability for your application with real-time live testing backed with data.

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CIT Relay & Switch delivers a comprehensive selection of ROHS-compliant electromechanical relays, switches and solid-state relays, designed to meet the demands of a wide variety of industries — from automotive and telecom to industrial automation, building systems, and beyond. We appreciate the opportunity to earn your business and demonstrate why companies across diverse sectors trust CIT for dependable performance, responsive service and consistent quality.

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