

News Release

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IoT enclosures with passive heatsinks Phoenix Contact offers free thermal simulations for expanded ICS family

Middletown, Pa. – Phoenix Contact's Industrial Case System (ICS) family now includes 50-millimeter enclosures with passive heatsinks, ideal for thermally demanding applications.

With the new hardware, Phoenix Contact is also offering free, online thermal simulations to help engineers optimize their printed circuit board (PCB) layouts for proper heat dissipation. If more complicated simulations are needed for more than a few hotspots, Phoenix Contact can provide additional consulting services.

The trend towards smaller and more densely packed electronics results in higher operating temperatures, which can cause devices to fail. Phoenix Contact is providing a way to identify potential, long-term failures at an early stage so that engineers can take appropriate steps to prevent them.

The ICS 50 can accommodate up to four PCBs, making it suitable for I/O groups and other advanced automation applications. The aluminum design improves the removal of thermal power dissipation from inside the device. It is available in 100 mm and 122 mm heights.

The ICS enclosure family has standard interfaces such as RJ45, USB, D-SUB, and antennas for easy integration. Users can select PCB terminal blocks and connectors with either screw or Push-in connection technology to meet the specific needs of their applications. The ICS has numerous design, color, and printing options so that companies can customize the housing to fit their unique brand design.

Learn more at www.phoenixcontact.com/ICS.

About Phoenix Contact

Phoenix Contact develops and manufactures industrial electrical and electronic technology products that power, protect, connect, and automate systems and equipment for a wide range of industries. Phoenix Contact GmbH & Co. KG, Blomberg, Germany, operates more than 50 international subsidiaries, including Phoenix Contact USA in Middletown, Pa.

For more information about Phoenix Contact or its products, visit www.phoenixcontact.com, call technical service at 800-322-3225, or e-mail info@phoenixcontact.com.

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