News Release

For release: September 2022

Heatsink solutions for electronic housings
Heatsink fillers and passive heatsinks improve heat dissipation

Middletown, Pa. – Phoenix Contact has increased the breadth and depth of its popular Industrial Case System (ICS) housing family to include both customizable passive heatsinks and heatsink fillers. Advanced components combined with tighter spaces have put increasing thermal demands on electronic housings. New heatsink solutions from Phoenix Contact now allow design engineers to choose from a wide range of thermal management solutions to keep their components from overheating.

Passive heatsinks and space-saving heatsink fillers are available in ICS housing widths of 25 and 50 mm. The position of the heatsink base can vary, making it possible to connect electronic components with an installed height of up to 13 or 15 mm. The clearance between the PCB and the heatsink base ranges between 0 and 11 mm, to meet different space requirements. The heatsink can be custom-designed and manufactured to meet the specific layout of the electronics. This ensures optimum heat dissipation in the enclosure and a longer service life of the electronic components.

To support the new heatsink solutions, a web-based, intuitive platform for the thermal assessment has been incorporated into the Electronic Housing Online Configurator tool on Phoenix Contact’s website. Here designers can customize enclosures and, on request, be provided with individual thermal management consultation. Device developers receive a detailed, application-specific simulation and recommendations for the appropriate housing selection, heatsink design, and heatsink arrangement.

Learn more about the heatsinks at www.phoenixcontact.com/heatsinks.

About Phoenix Contact

Phoenix Contact is a global market leader based in Germany. Phoenix Contact produces future-oriented components, systems, and solutions for electrical controls, networking, and automation. With a worldwide network reaching across more than 100 countries with over 20,300 employees, Phoenix Contact maintains close relationships with its customers, which are essential for shared success. The company’s wide variety of products makes it easy for engineers to implement the latest technology in various applications and industries. Phoenix Contact focuses on the fields of energy, infrastructure, process, and factory automation.

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

###