

HARTING ix Industrial® Enables Miniaturization and is 70% Smaller than the Standard RJ45

Elgin, IL October 2018 – The RJ45 connector has been the standard Ethernet interface in IP20 environments for many years. However, as the demand for smaller devices and sensors increases, the RJ45's size limits the potential for miniaturization. This is why HARTING developed the ix Industrial® Ethernet connector, which is a smaller and more rugged connector than the standard RJ45. It also offers Cat. 6A performance for 1/10Gbit/s Ethernet at the control Level.

The socket size of the ix Industrial® is 70% smaller than the standard RJ45 and enables device manufacturers to use the ix Industrial® in much smaller devices. For device integration, a small yet robust socket with five THR shielding contacts is available for maximum stability on the PCB. The ix Industrial® features stable latching through the use of two metal hooks, and together with the new socket ensures an absolutely secure and vibration-proof connection from the cable to the circuit board -- for a minimum 5,000 mating cycles.

In regards to device wiring, users can take advantage of flexible, thin system cables with a tight bending radius. The ix Industrial® can be assembled with the mating face on both ends or mixed, i.e. with the ix Industrial® and the RJ45 connector on opposite ends. This enables a gradual adaptation of individual elements in the control level without the need to directly revise all systems.

The HARTING ix Industrial® interface is also standardized in accordance with IEC/PAS 61076-3-124.

About HARTING

The HARTING Technology Group, family owned and based in Germany, employs more than 4,300 people globally with subsidiaries and branch offices in 44 countries. With production facilities in Europe, Asia, and the Americas, the HARTING portfolio of connectivity solutions focuses on multiple levels, from the machine to the device and into the communication infrastructure. The U.S. facility in Elgin, Illinois is one of three HARTING locations that manufactures the HIS product line (HARTING Integrated Solutions - backplanes) and custom cable assemblies. HARTING also has custom cable assembly capabilities in Mexico and Brazil. The company's core business is intelligent and high-performance connection technology. HARTING works in almost all industrial markets with a focus on requirements for robust, reliable connectivity solutions.

Press Photo (see JPG attached)

Caption: The new ix Industrial® from HARTING enables miniaturization and is 70% smaller than the standard RJ45 Connector

Press Release



Pushing Performance

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