

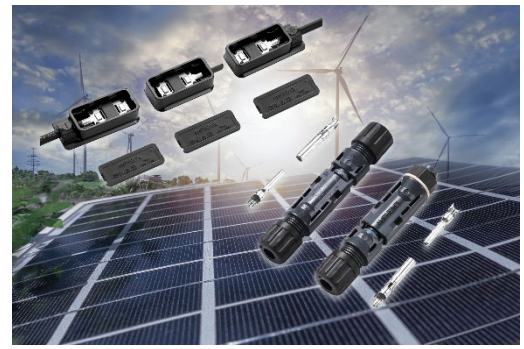
**Editorial Contact:**

Beth Smith, The Simon Group, Inc.

Phone: (215) 453-8700

E-mail: [bsmith@simongroup.com](mailto:bsmith@simongroup.com)

Reference # APL-A-5397

**Amphenol Industrial Operations Introduces Advanced Solar Solutions with Enhanced Connector and New Junction Box**

*H4 PRO Connector and Saguaro Junction Box: Reliable Innovations for Modern PV Applications*

**Technical Specifications**

- H4 PRO Connector: Enhanced to dual 1500V certification with smaller footprint
- Saguaro Junction Box: Designed to streamline the integration of solar panels into power systems
- Both products provide reliability, seamless installation, and quality performance in PV applications

**Endicott, N.Y. March 2025** – Amphenol Industrial Operations, a global leader in interconnect systems, has enhanced a connector in its H4 family of solar connectors and now offers a new junction box for use in the solar industry. The [H4 PRO](#) and Saguaro [Junction Box](#) are ideal for use in a variety of PV applications.

**H4 PRO Connector**

Designed with solar inverter and module manufacturers in mind, the H4 PRO connector offers a cost-effective and dependable solution for the solar market. The connector reduces operational costs without compromising security or quality and feature shorter module frames, making it ideal for those in the engineering, procurement and construction industries looking for performance reliability in their photovoltaic installations.

Internationally certified with IEC and UL standards, Amphenol Industrial Operations' enhanced H4 PRO Connector is approved for 1500VDC, ensuring unrestricted access and reliable performance.

This connector features  $\leq 0.30\Omega$  low resistance, high quality contacts that ensure minimal performance loss over their service life. The connector is extremely versatile and seamlessly compatible with the H4 connector family.

## Saguaro Junction Box

Designed for demanding PV applications and to meet the rigors of large-scale solar energy setups, the Saguaro Junction Box offers exceptional performance, reliability and safety. Its modular design allows for easy customization as well as accommodation of various system requirements, while maintaining cost-effectiveness. It is ideal for customers looking for efficient integration of solar panels into their power systems.

With its 3-box configuration, the Saguaro Junction Box is optimized for high efficiency automated assembly and is scalable to handle even the largest solar panel installations. The junction box also features customizable diode configurations tailored to meet the precise requirements of any PV panel.

When paired with Amphenol Industrial Operations' H4 connectors, the performance of the Saguaro Junction Box allows the PV connectors to not only exceed industry standards, but also deliver unparalleled reliability and a reduction in power loss, ensuring the best possible performance.

This new junction box is rated up to 1500V. With an operating temperature range from -40°C to +80°C, the Saguaro Junction Box can function effectively in a wide variety of climates and conditions.

For more information, please visit <http://www.amphenol-industrial.com> or e-mail [vmejia@amphenol-aio.com](mailto:vmejia@amphenol-aio.com).

Follow us: <https://twitter.com/AmphenolAIO>

Get our updates: <https://www.linkedin.com/company/amphenol-industrial>

-30-

**EDITOR'S NOTE:** Headquartered in Endicott, N.Y., with global manufacturing, sales and marketing locations, [Amphenol Industrial Operations](#) specializes in delivering a comprehensive range of high-reliability power and signal connectors along with comprehensive interconnection systems specifically designed for industrial applications.

Our solutions cater to diverse industrial sectors, including, but not limited to, alternative energy, heavy equipment, energy storage, factory automation, eMobility, rail mass transit, datacom/telecom, and power distribution.

Our product portfolio encompasses power interconnects utilizing our trademark RADSOK® contact technology and ruggedized, military-derivative cylindrical connectors, like threaded (SAE AS50151), PT (MIL-DTL-26482) and GT reverse bayonet styles as well as assemblies and harnesses using these and other industry standard interconnects. With a dedicated team of over 900 skilled

professionals, backed by industrial certifications such as ISO9001 and IATF 16949, Amphenol Industrial Operations consistently meets the highest standards of quality and performance.

Amphenol Industrial Operations proudly operates as a business unit of the Amphenol Corporation, one of the world's largest designers, manufacturers and marketers of electrical, electronic and fiber optic connectors and interconnect systems, antennas, sensors and sensor-based products as well as coaxial and high-speed specialty cable.

Amphenol designs, manufactures and assembles its products at facilities in approximately 40 countries around the world and sells its products through its own global sales force, independent representatives and a global network of electronics distributors. Amphenol has a diversified presence as a leader in high-growth areas of the interconnect market including: Automotive, Broadband Communications, Commercial Aerospace, Defense, Industrial, Information Technology and Data Communications, Mobile Devices and Mobile Networks. For more information, visit [www.amphenol.com](http://www.amphenol.com).