

Editorial Contact:  
The Simon Group, Inc.  
Joanna Puglisi-Barley  
Phone: (215) 453-8700  
E-mail: [publicrelations@simongroup.com](mailto:publicrelations@simongroup.com)  
Reference # APL-A-5394



## **SurLok Plus Series from Amphenol Offered in Various Sizes and Configurations** *High current cabling system features high-power connections and transfers*

### **Technical Specifications**

- EMI shielding and non-EMI shielding
- Straight and right angle connectors
- 1500VDC for high voltage applications
- Features RADSOK technology
- Quick lock and release design

**Endicott, NY August 2024** – Amphenol Industrial Operations, a global leader in interconnect systems, now offers its SurLok Plus series in varying connector sizes and configurations. The SurLok Plus 10.3mm inline plug 2.0 generation, SurLok Plus 5.7mm and 8.0mm 2.5 generation and the SurLok Plus 14.0mm EMI can be used to meet energy storage requirements and high-power connections as well as transfers in the energy storage and electronic vehicle market.

Although some specifications are the same across this family of products, each version of these [high current cabling systems](#) offers features that make them different and unique from one another.

### **SurLok Plus 10.3mm inline plug 2.0 generation**

Designed to meet the needs of the 1500VDC market connection demand, Amphenol's 10.3mm inline plug 2.0 generation non-EMI straight plug connector features a quick

connect and locking system. It is ideal for applications using battery and control boxes that require a 360A power connector, as well as in electric vehicles, hybrid electric and/or EV within the heavy equipment market. This connector is a reliable alternative to compression lugs.

### **SurLok Plus 5.7mm and 8.0mm 2.5 generation**

Amphenol's SurLok Plus 5.7mm (1000VDC) rated to 120A and 8.0mm (1500VDC) rated to 200A 2.5 generation, non-EMI right angle connectors are designed for high power application connections in the energy storage market. These connectors feature '3 anti and 1 rotation', including anti-mis-insertion (Pokayoke), anti-incorrect installation, anti-water and a 360° rotation after mating.

### **SurLok Plus 14.0mm EMI**

The powerful SurLok Plus 14.0mm EMI right angle connector, with a voltage range of 1500VDC, providing EMI shielding and HVIL option, temperature range -40°C - 140°C is ideal for use not only in the energy storage market, but also in electric vehicle, battery solutions, fuel cell and industrial applications. This field-installable connector is environmentally friendly and a reliable alternative to common compression lugs. It can be used in DC/DC and AC/DC power transfers. The SurLok Plus 14.0mm features EMI shielding.

### **Easy to mate and unmate**

All of these robust connectors are easy to mate and unmate, featuring a keyway design to prevent incorrect mating; as well as a flexible, quick lock and press-to-release design to accommodate various dimensional constraints. Each connector also includes the

latest R4 RADSOK technology that significantly increases amperage, while reducing insertion force, temperature rise and voltage drop.

SurLok Plus connectors feature a self-cleaning grid that cleans contacts and connector. They are environmentally sealed and are rated IP67, UL4128/TUV 2PFG2740.

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

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

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

-30-

**READER SERVICE INQUIRIES:** Please forward all reader service inquiries to Ty Yesensky at Amphenol Industrial Operations, 20 Valley Street, Endicott, NY 13760-3600; e-mail: [tech@amphenol-aio.com](mailto:tech@amphenol-aio.com); Web: [www.amphenol-industrial.com](http://www.amphenol-industrial.com).

**EDITOR'S NOTE:** [Amphenol Industrial Operations](#), headquartered in Endicott, N.Y., through its' global sales, marketing, and manufacturing locations, specialize 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, power generation and storage, rail and mass transit, process control, automotive manufacturing, heavy equipment, wireless base stations, and petrochemicals.

Our product portfolio encompasses power interconnects, utilizing our trademark RADSOK® contact technology and ruggedized military derivative cylindrical connectors such as the threaded (SAE AS50151 style), PT (MIL-DTL-26482 style) and GT reverse bayonet styles. In addition to 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 and 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).