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Enhanced High Current Connector and Cabling System from Amphenol Meet Requirements of High End Battery Systems

SurLok Plus now includes HVIL safety feature and EMI shielding

Technical Specifications

- Features RADSOK technology
- Compact robust design
- Quick lock and press-to-release design
- Includes a high voltage interlock loop (HVIL) safety feature, as well as electromagnetic interference shielding (EMI) for noise immunity
- IP67 Rated
- Available in sizes 5.7mm, 8.0mm, and 10.3mm

Sidney, N.Y. January 2018 – Amphenol Industrial Products Group, a global leader in interconnect systems, has enhanced its SurLok Plus [high current connector and cabling system](#). The quick connect and locking system, includes a high voltage interlock loop (HVIL) safety feature, as well as electromagnetic interference shielding (EMI) for noise immunity. These features are a requirement of high end battery systems to ensure safety and proper operation.

Ideal for use in electric vehicles, materials handling, hybrid electric vehicles, and in energy storage for commercial and residential battery storage systems, SurLok Plus is a reliable alternative to common compression lugs.

These cost-effective connectors offer industry-standard crimp, screw, and busbar termination options, eliminating the need to purchase special torque tools and are easy to install. SurLok Plus is optimized for battery pack connectors from 50 A to 400 A (sizes 5.7mm to 10.3mm) using a touch-safe interface.

The compact SurLok Plus offers a flexible, quick lock and press-to-release design to accommodate dimensional constraints. This robust, low profile, RADSOK connector is quick mating and significantly increases amperage, while reducing insertion force, temperature rise and voltage drop.

This high current cabling system is IP67-rated and comes in an unsealed configuration and sealed version offering excellent environmental sealing to protect the system from the elements.

Delivery for the SurLok Plus is 8 weeks ARO.

For more information, please visit <http://www.amphenol-industrial.com> or e-mail jgriffiths@amphenol-aio.com.

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READER SERVICE INQUIRIES: Please forward all reader service inquiries to John Griffiths at Amphenol Industrial Products Group, Amphenol Corporation, 40-60 Delaware Ave, Sidney, N.Y., 13838-1395; e-mail: jgriffiths@amphenol-aio.com; Web: www.amphenol-industrial.com.

EDITOR'S NOTE: [Amphenol Industrial Products Group](#), headquartered in a 307,000 square foot facility in Sidney, N.Y., provides a full range of high reliability power/signal connectors and interconnection systems specifically for the industrial markets including rail/mass transit, process control, automotive manufacturing, heavy equipment, wireless base stations and petrochemical/power generation.

Products include ruggedized-for-industry cylindrical, fiber optic, rectangular, and industrialized versions of Amphenol's MIL-DTL-5015 cylindrical, MIL-DTL-26482 miniature cylindrical and GT reverse bayonet cylindrical connectors. It employs more than 900 people and is ISO9001, TS96949 and MIL-STD-790 certified.

Amphenol Industrial Products Group is a division of Amphenol Corporation, Wallingford, CT, one of the largest manufacturers of interconnect products in the world, with year 2016 sales topping \$6.3 billion.