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Enhanced High Current Connector Series from Amphenol Has a Voltage Capacity of 1500VDC

The SURLOK Plus 5.7mm, 12.0mm, and 14.0mm allows for higher amperage/voltages with smaller envelopes

Technical Specifications

- Voltage capacity of 1500VDC
- Can be used in DC to DC / AC to AC power transfers
- Quick lock and press-to-release design
- Quick mating connectors feature mechanical keyway options
- R4 RADSOK Technology

Endicott, NY December 2023 – Amphenol Industrial Operations, a global leader in interconnect systems, has enhanced its SURLOK Plus series with a more powerful [connector with a voltage capacity of 1500VDC](#). The SURLOK Plus allows customers to carry higher voltages within the same envelope as its 1000VDC antecedent.

Ideal for use in the energy storage market, as well as in electric vehicle, battery solutions, fuel cell and industrial applications, this new field installable, environmentally friendly connector is a highly reliable alternative to common compression lugs. It offers high distribution of power in a small compact lug. It can be used in DC to DC / AC to DC power transfers. It also delivers power from battery cluster to PCS, as well as from a battery pack to the rest of a system.

Using industry standard screw and Busbar termination options, the SURLOK Plus does not need any special torque tools for installation. It features a quick lock and press-to-release design to accommodate various dimensional constraints.

These compact, quick mating connectors feature mechanical keyway options to prevent mis-mating, when utilizing multiple connectors within a single application. The connectors include the latest R4 RADSOK Technology that significantly increases amperage, while reducing insertion force, temperature rise and voltage drop.

The SURLOK Plus connectors feature a self-cleaning grid that cleans contacts and connector. They are environmentally sealed and are rated to IP67 and IP6K9K, UL 1977/4128/TUV 2PFG2740.

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

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EDITOR'S NOTE: [Amphenol Industrial Operations](#), headquartered in a 30,000 square foot facility in Endicott, 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 Operations is a division of Amphenol Corporation, Wallingford, CT, one of the largest manufacturers of interconnect products in the world, with 2022 sales topping \$12.6 billion.