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Enhanced Connection System from Amphenol Now Available in 3-pole Connector Version

ePower Lite 5.7 mm features a quick lock and press-to-release design

Technical Specifications

- 3-pole connector
- High voltage applications up to 850VDC
- R4 RADSOK technology
- Rated up to 120 A
- IP2X touch-proof
- UL 94V-0 flammability rating
- Operating temperature range from -40°C to 125°C

Endicott, N.Y. February 2023 – Amphenol Industrial Operations, a global leader in interconnect systems, has enhanced its ePower-Lite line to include a 3-pole connector. The ePower-Lite 5.7 mm, which features a quick lock and press-to-release design, is used to connect PTC/AC to DC and related control boxes, including power distribution units (PDU).

Ideal for use in electric vehicles, hybrid or pure EV heavy equipment, as well as fuel cell electrical vehicles, these compact, light-weight plastic shell connectors have a small footprint and provide both weight and space savings in vehicles.

Amphenol's ePower-Lite 5.7 mm connector is designed to meet the needs of high voltage applications up to 850VDC, like those found in compressors and compressor controllers. It features Amphenol's patented R4 RADSOK technology to achieve higher current ratings, lower insertion forces and lower temperature rise and contact resistance. The ePower-Lite 5.7 mm is rated up to 120 A of continuous current.

These IP2X touch-proof connectors feature a keyway design to prevent incorrect mating and a straight plug version for easy mating.

This connector series has a UL 94V-0 flammability rating, an IP67 mating when mated and an operating temperature range from -40°C to 125°C. For safety and performance, optional HVIL and EMI shielding is available.

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 year 2020 sales topping \$8.6 billion.