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Universal Power Connector from Amphenol Offers Continuous Power to 500A
UPC 14mm ideal for use in heavy duty equipment and electric vehicles for battery and power distribution units (PDU's)

Technical Specifications

- Second lock function for high voltage and current connections
- RADSOK technology
- 14mm UPC provides electrical ratings up to 1000VAC and 500A (@ 50°C ambient)
- Keyway design
- Quick lock and release by rotating handle
- EMI Shielding
- IP67 when mated

Endicott, N.Y. February 2021 – Amphenol Industrial Operations, a global leader in interconnect systems, now offers a [plastic Universal Power Connector \(UPC™\)](#) series that is designed to be used in heavy equipment and electric vehicles. The UPC 14mm offers continuous power at 500A.

Ideal for use in battery connection, power distribution units, electric motors, power converters/inverters, hybrid vehicles, battery management systems, as well as in heavy equipment electrification and starter generators, this two-pole connector includes EMI

shielding, HVIL (high voltage interlock loop) and a second lock function for high voltage and current connections.

The UPC 14mm features Amphenol's patented RADSOK technology for higher amperage, low voltage drop, less resistance and lower T-rise. The connector's RADSOK twisted grid configuration allows for up to 50% more current to pass through the same size pin, while providing increased reliability, cycle durability and lower mating forces.

The UPC 14mm also offers a quick lock and release function and a keyway design to prevent incorrect mating. It meets an IP67 rating when mated and can withstand a minimum of 100 mating cycles.

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

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READER SERVICE INQUIRIES: Please forward all reader service inquiries to Erick Lopez at Amphenol Industrial Operations, 20 Valley Street, Endwell, NY 13760-3600; e-mail: elopez@amphenol-aio.com; Web: www.amphenol-industrial.com.

EDITOR'S NOTE: [Amphenol Industrial Operations](#), headquartered in a 20,000 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.