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Circular Plastic Shell Connector from Amphenol Reduces Installation Time

APC series is ideal for rugged environments

Technical Specifications

- Light weight plastic shell
- Stamped and formed contacts
- 3 start ACME thread
- 2-way bayonet design
- Can withstand 500 mating cycles
- Can withstand current up to 30A
- Insulation resistance of 500M at 500V DC
- Rated at IP67
- UL 94 V-0 flammability
- UV resistant
- F1 rated

Endicott, N.Y. May 2023 – Amphenol Industrial Operations, a global leader in interconnect systems, now offers a circular connector with a plastic shell that can be used in industrial power and signal applications. The simple and innovative design of the APC series greatly reduces installation time and helps to provide robust protection.

Designed for use in a wide range of applications, including industrial machinery, agricultural machinery, factory automation, materials handling equipment, communications equipment, HVAC, lighting and signage, as well as rail and transit vehicles and systems, this new circular connector has stamped and formed contacts, making it extremely cost competitive.

The APC series 3-start ACME thread and 2-way bayonet design allows for fast coupling. These light weight, corrosion resistant connectors feature a robust design for rugged environments and are durable to 500 mating cycles.

The connector series is ROHS compliant and can withstand current up to 30A and has an insulation resistance of 500M at 500V DC. The connectors feature a self-locking mechanism and are rated at IP67 when mated. They are also in compliance with UL 94 V-0 flammability, UV resistant and F1 rated.

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 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.