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New Circular Connector Series from Amphenol is Cost-effective

Micro-B series replaces high-cost connectors used in industrial applications

Sidney, N.Y. October 2017 – Amphenol Industrial Products Group, a global leader in interconnect systems, now offers a lightweight, high performance, small footprint, [circular connector](#) series that cost-effectively replaces high-cost connectors used in a variety of industrial markets needing high signal counts in a very small package. The Micro-B series utilizes a robust triple bayonet coupling that provides quick and positive locking, along with an internal EMI ground spring for excellent shell-to-shell conductivity at an affordable price.

This new circular connector series was designed for industrial applications like sensors, data and mobile communications, medical equipment and motor controls where electrical performance must be met with affordability.

The compact, Micro-B features high density insert patterns with size 22D contacts allowing for more circuits to be connected and a simplified termination process with tape and reel contacts. It offers tool-less and fast mating for ease of use in the field.

This RoHS-compliant circular connector series meets smoke, toxicity and flammability requirements and offers a high reliability connection for demanding applications.

Various mounting options are available including in-line and 2-hole flange mount configurations.

The Micro-B has an operating temperature of -55°C to +125°C, a dielectric withstanding voltage of 500 VRMS and a current rating of 3 to 5 Amps per contact. It is durable up to 500 mating cycles.

With Gray ZnNi plating, Micro-B can withstand up to 500 hours salt spray without corrosion detrimental to its operation.

Technical Specifications

- Operating temperature of -55°C to +125°C
- Dielectric withstanding voltage of 500 VRMS
- Current rating of 3 to 5 Amps per contact
- Durable up to 500 mating cycles
- RoHS-compliant
- Robust triple bayonet coupling
- Tool-less and fast mating

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READER SERVICE INQUIRIES: Please forward all reader service inquiries to **Herman Liang** at Amphenol Industrial Products Group, Amphenol Corporation, 40-60 Delaware Ave, Sidney, N.Y., 13838-1395; e-mail: herman.liang@amphenol-industrial.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.