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Amphenol's New Data Link Connector Ideal for Extremely Rugged Environments
New connector is compliant with SAE J 2839

Sidney, N.Y. September 2011 – Amphenol Industrial, a global leader in interconnect systems, introduces a ruggedized, high speed connector for use in extremely harsh environments. Amphenol's Max-M12 connection system is ideal for applications that utilize construction machinery and equipment, forestry equipment, navigation, GPS and telematics, mining machinery and equipment, agricultural machinery and equipment and harsh environment sensors, controllers, actuators and switches.

Designed to withstand high vibration, high temperature and extremely rugged environments, the Max-M12 meets both IEC 61076-2-101 and SAE J 2839 standards. The new system is housed in an HDM 12 EX impact resistant metal shell and available as a 90° right angle connector or in a straight version. Both are available in 4- and 5-pin configurations with B, D and P polarity codes in line with IEC 61076-2-101 specifications and come as stand-alone connectors or cable assemblies with the option to over-mold the cable assembly.

The connector can be terminated into 0.8 mm² (18 AWG) or 0.5 mm² (20 AWG) wires as defined by SAE J1128 and 0.75 mm² or 0.50 mm² conductors as defined by ISO 6722. The new connection system can withstand temperatures ranging from -40°C up to 125°C, while maintaining a current rating of 4 A at 250 V (4-pin) and 60 V (5-pin). The IP67 and IP69K compliant Max-M12 is dust and waterproof and resistant to high pressure and high temperature wash downs.

The dielectric withstanding of the Max-M12 is 1,000 V. The connection is rated for impulse voltage of 1,500 V. The connector's electrical insulation provides a resistance

of over 20 megaohms, while providing a high temperature life of 1,000 hours at 125° C. The contacts are rated at less than or equal to 5 milliohms each with a maximum drop of 50 millivolts.

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

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UPCOMING TRADESHOW: SolarPower International 2011, Dallas, TX, 10/17-20

READER SERVICE INQUIRIES: Please forward all reader service inquiries to Andrew Sleeman at Amphenol Industrial Operations, Amphenol Corporation, 40-60 Delaware Ave, Sidney, N.Y., 13838-1395; e-mail: asleeman@amphenol-aio.com; Web: www.amphenol-industrial.com.

EDITOR'S NOTE: Amphenol Industrial Operations, headquartered in a 675,000 square foot facility in Sidney, N.Y., provides a full range of high reliability connectors and interconnection systems specifically for the industrial markets including base stations, rail/mass transit, process control, automotive manufacturing, heavy equipment, and petrochemical/power generation.

Products include ruggedized-for-industry cylindrical, fiber optic, rectangular, and industrialized versions of Amphenol's MIL-C-5015 cylindrical, MIL-C-26482 miniature cylindrical and GT reverse bayonet cylindrical connectors. It employs more than 1,400 people and is both ISO9001 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 2010 sales topping $3.6 billion.