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Amphenol Offers Wide Range of Connectors to Smart Building Market *Connectors designed for optimal performance in demanding environments*

Technical Specifications

- Amphenol LTW (ALTW) offers a wide range of reliable waterproof connectors to meet harsh environment specifications, including the X-Lok push-lock mechanism series and a reversible plug - USB 3.1 Type-C connector. Additionally, ALTW provides more options for protective vents. For lighting applications, SSL (smart solution in lighting) is the best solution for eliminating field wiring.
- Amphenol's Aquarius series, from Amphenol Sine, are lightweight plastic waterproof (IP67/69K in mated condition) connectors ideal for harsh environments.
- Amphenol Anytek offers TJ series, OQ series and HA series terminal blocks for small business.
- Amphenol Sine Systems (Sine) microBOSS™ M12 factory molded cord sets provide a space saving and highly reliable sensor connection to withstand harsh environmental conditions and temperatures for a wide range of applications.
- Amphenol Industrial Operations (AIO) offers power and signal connectors, including the Micro-B™, UPT, Amphe-Lite, Max-M12 and LPT.

Sidney, N.Y. July 2018 – Amphenol Industrial Products Group, a global leader in interconnect systems, offers a wide range of circular connectors, terminal blocks, shielded connectors and plugs for the [smart building market](#). Designed for optimal performance in the most demanding environments, Amphenol has a solution for nearly every smart building application.

Amphenol's smart building products, which are distributed by several different divisions of the company, are designed to work with any structure that uses automated processes to automatically control the building's operations, including heating, ventilation, air conditioning, lighting, security and other systems.

Amphenol LTW (ALTW) offers a wide range of reliable waterproof connectors that increase productivity, meet harsh environment specifications

ALTW offers a connector series for blind mating with audible and tactile feedback. The X-Lok series, which can be customized for lighting, security, wireless access for power and data communication, features a push lock mechanism and is waterproof (IPX8). The series is UL2238 and UL1977 certified.

Available in receptacle, overmolded and field installable solder and/or crimp termination, X-Lok is now offered in mini size with an identical cut-out to Amphenol's M series. This series meets industrial standards and a screw termination option is available for easy installation.

ALTW also offers the USB 3.1 Type-C connector. It provides fast, cost-effective and reliable data transfer. This compact, reversible plug supports transfers up to 10 gigabits per second (Gbps), as well as power supply at 5A max current. Its backward

compatibility, waterproof design and assembly-type O-ring ensures a smooth mating process.

Designed for use with IP closed-circuit television (IP CCTV) and security, renewable energy, outdoor broadband wireless access, and LED lighting, ALTW's protective vents series is the perfect solution for enclosure protection. Available in wide variety of air permeability types, with water and oil ingress resistance, it is now offered in M6 size, various materials (metal, stainless steel and plastic) and in various types (snap-in, screw thread). Manufactured with an IP rating of IP68, 2m/1hrs and IP69K, these connectors can withstand the most extreme environments.

ALTW's SSL series (smart solution in lighting) is both a low-profile waterproof and non-waterproof connector series developed for LED lighting and non-lighting applications that helps to minimize and eliminate field wiring. Available in a wide range of options, wire-to-wire, wire-to-board connections (waterproof) and board-to-board (non-waterproof), these connectors are field installable. The SSL series is overmolded with flat or round cables. Its wires are black for outdoor and white for indoor. The series also features SMT receptacles. The SSL series features a compact error-proof design that is IPX8 waterproof (for 24 hours at a depth of 1 meter), rated up to 5A and suitable for demanding environments.

Amphenol Sine connectors engineered for immersed connectivity

Amphenol Sine offers a plastic circular connector that is waterproof and remains sealed when continuously submerged under water or exposed to high pressure spray while cable is flexing. Ideal for indoor and outdoor use, Amphenol's Aquarius series is based

on MIL-C-26482 connector design and are intermateable with metal MIL-C-26482 connectors and are available in six shell sizes and 27 insert arrangements. These new connectors feature low profile housing and offer a wide variety of contact options for mixed power and signal layouts.

Amphenol Anytek offers terminal blocks for small business

The TJ and OQ series from Amphenol Anytek offers signal transmission and power supply solutions with a rated current range from 10A to 20A. The pluggable design brings convenience to customer measurement and maintenance. The OQ also has a high operating temperature suitable for THR technology that is able to better meet reliable soldering requirements.

The HA series from Amphenol Anytek offers compact, convenient wiring terminal blocks for small business equipment, like instruments and security systems. The HA series has good anti-vibration performance with a spring clamp structure and lever design that can save wiring time as well as a rated voltage/current from 150V/2A to 300V/10A.

Amphenol Industrial Operations (AIO) offers power and signal connectors

The Micro-B™, from AIO, is ideal for industrial applications where electrical performance needs to be met with affordability. These connectors offer high mating cycles along with excellent shell to shell electrical bonding for EMI.

AIO also features a quick disconnect circular connector that can be used in the heavy equipment, transportation, diesel engine and electric vehicle markets.

Based on Amphenol's 26482 series I, the UPT features a plastic shell with a metal coupling system and crimp termination. This lightweight connector has a smaller footprint and is easy to install in the field once it has been crimped in the facility.

The Amphe-Lite™ connector series from AIO is designed for communications equipment manufacturers with signal, power, RF or fiber optic interconnect requirements in harsh environments, like communication towers, outdoor and roof-top applications.

The Amphe-Lite series features Acme threads that are self-locking and provide high anti-vibration resistance, as well as durability and quick-mating. They can be mated with other connectors in the MIL-DTL-38999 III series.

Suitable for space saving designs, these high-density connectors use crimp contacts for easy removal and feature recessed pins that are 100% scoop-proof shells.

The Max-M12 from AIO can easily transmit high speed data in environments where there is high vibration, moisture, salt, dirt and debris. Applications include camera and communication systems on construction, mining and agricultural equipment. It can also be used in rail and mass transit communication systems and for ruggedized factory automation.

The field installable and repairable Max-M12 offers discrete connections that seal in harsh environments without requiring overmolds. These connectors are backward compatible and can be mated with any standard M12 connector with the same indexing.

The LPT series from AIO is a metal connector that can be used for all major global signal application markets. The versatile and cost-effective 26482 Series I connector can be used for both power and signal applications.

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

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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 \$7 billion.