Amphenol Offers A Wide Selection of Robust Interconnect Products for the Lighting Industry
High performance connectors are reliable and easy-to-use

Technical Specifications

- Amphenol Anytek offers three fixed-type series terminal blocks used in LED lighting and lighting control applications, including HB series, HC series and NQ series
- Amphenol Sine Systems offers a range of products ideal for the lighting industry, such as the eco|mate® Aquarius series and the A series AT thermoplastic connector series
- Amphenol LTW (ALTW) offers the widest range of connector series, including X-Lok (push lock and blind mate) with extended options in screw-in termination, HS-Lok (push-pull and blind mate), circular lock bayonet and threaded connectors, M12/M8 shielded series, FICX series, as well as the SSL series for both indoor and outdoor applications

Sidney, N.Y. November 2018 – Amphenol Industrial Products Group, a global leader in interconnect systems, offers a variety of high performance connectors including, wire and cable, fiber-optic connectors and management equipment, custom assemblies as well as interconnection products for the lighting industry. Its wide selection of robust
interconnect products, including cabling, dimmers, lighting instruments and controllers complement all industrial lighting needs.

**Amphenol Anytek**

Amphenol Anytek, a division of Amphenol Industrial Products Group, offers three fixed-type series terminal blocks used in LED lighting and lighting control applications: the HB series, the HC series and the NQ series.

The easy-to-operate, compact HB series features a big lever design and convenient double or single wiring for one pole. Its push-in spring technology enables excellent anti-vibration performance, making it ideal for use in lighting controllers. These stackable terminal blocks can provide a 2 – 24 pole solution to meet the needs of nearly all customer requirements.

The HC series offers an extremely small pitch of 2.5mm, making it ideal for use in narrow PCB areas of lighting controllers. Its push-in spring connection technology and lever structure ensure reliable and convenient wiring.

The NQ series is a small size terminal block that can be surface mounted to a PCB and features push-in spring connecting technology. It has a low height structure of 2.7mm (pitch 3.0), making it ideal for use in the LED industry.

**Amphenol Sine**

Amphenol Sine offers two connector series that are ideal for the lighting industry, the eco|mate® Aquarius and the A series AT thermoplastic connector series. The Aquarius features a waterproof plastic circular connector that remains sealed in the mated
condition and when continuously submerged under water or is exposed to high pressure spray. Ideal for indoor and outdoor use, this series is based on the MIL-C-26482 connector design and is available in six shell sizes and 27 insert arrangements. These connectors feature low-profile housing, bayonet coupling and offer a wide variety of contact options for mixed power and signal layouts.

The Amphenol Sine AT connector series features a thermoplastic housing with an integrated latch for easy mating and can accommodate wire sizes from 14 - 22AWG, up to 13A. The high temperature silicone seals provide superior, long-lasting performance and wedgelocks to ensure proper contact alignment and retention.

**Amphenol LTW (ALTW)**

Amphenol LTW (ALTW), a division of Amphenol Industrial Products Group, offers the widest range of connector series perfect for use in the lighting industry, including X-Lok (push lock and blind mate), HS-Lok (push-pull and blind mate), circular lock bayonet and threaded, M12/M8 shielded series, FICX series, SSL series, the FLO series as well as protective vents.

The HS-Lok is a push-lock connector that is designed to meet IP68 waterproof protection and is rated to UL-F1 UV resistance. It can be used both indoors and outdoors. The HS-Lok features audible feedback, guided key design and easy assembly for blind mating. The HS-Lok is UL2238 and UL50e compliant and rated to 5A for low voltage power and data transmissions. This connector includes two to six pin configurations and hybrid (Power + Data) to suit nearly any requirement.
Amphenol LTW X-Lok (push lock and blind mate) connectors are available in four different sizes for power, signal and hybrid applications. These fast, simple and reliable connections are available in receptacle, overmolded and field installable designs in solder, crimp or screw-in terminations.

ALTW’s circular series offer the widest and most comprehensive range of circular connectors in the industry. They are available in more than five commonly used sizes, including plastic and metal versions, and offer lock bayonet for quicker locking and threaded-type that are more suitable for higher vibration applications. UL certified or UL recognized from 2P up to 31P for power, hybrid, data and signal, these field installable versions feature solder, crimp and screw-in terminals. A wide range of accessories are available for this series.

ALTW’s M12/M8 shielded series meet IEC and UL standards. Used to resist electro-interference (EMI) as it transmits signals and maintains its data quality, the M12 shielded cable connectors are available in A, B and D code. These connectors are waterproof, provide anti-corrosion protection and offer both PVC and PU cable jackets.

The FICX series from ALTW is compliant with UL 2238 standards to extend industrial high demand for cable assemblies for control and signal distribution. These reliable connectors feature a simple screw termination, are waterproof, are suitable for a wide range of cable OD with color seals and come in a variety of joiner types like in-line and T-shaped from 2 to 5 pin.

The SSL series is a waterproof and non-waterproof connector series developed for LED lighting and non-lighting applications. Its low profile design aims at minimizing and
eliminating the field wiring and reducing labor time, as well as facilitating any maintenance job. They come in wire-to-wire, wire-to-board, board-to-board and an option for indoor and outdoor applications.

ALTW’s FLO series is the latest family of full metal and shielded push-pull connectors that can intermate with either Fischer, Lemo or ODU waterproof and non-waterproof series. These connectors come in various sizes and in as many contacts as the size will allow, meeting the highest specifications and requirements of outdoor environments.

ALTW offers the most comprehensive range of protective vents. Available in various sizes and materials, including plastic, metal and stainless steel, these protective vents feature different air permeability and are rated IP67.

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 Operations is a division of Amphenol Corporation, Wallingford, CT, one of the largest manufacturers of interconnect products in the world, with year 2017 sales topping $7 billion.