



Watertight Ethernet connector range extended

THE RJ-Lnxx™ range of IP67 rated, sealed, industrial RJ-45 connectors that enables Ethernet and other data communication protocols to be used for industrial field devices has been extended to include overmoulded versions and IDC punch down and earth strap terminations.



The availability of overmoulded connectors means that fully tested cable assemblies can be provided, in any cable length. This ensures high signal integrity over the extremely high data rates used in this type of application and is far more reliable than relying on field installed, hand terminated cables and connectors.

The punch down version has been developed for those markets, principally data communications, where insulation displacement is commonly used. The RJ-Lnxx punch down receptacle is available with either '110' or 'Krone' terminations.

The earth strap version is fitted with a high grade tinned copper braided earth lead with a 3.5mm ring terminal that allows receptacle shielded components to be grounded directly to the mounting panel or control cabinet. This will be ideal for applications such as industrial automation monitoring and control, test and measurement.

This extension to the range makes it even more practical to use RJ-Lnxx, industry's first RJ-45 connector, to extend Ethernet from boardroom to the factory floor. While Ethernet offers strong benefits in manufacturing it is rarely used at this level because, until now, the connectors were not designed to withstand harsh environments.

Compatible with standard RJ-45 components, RJ-Lnxx provides a robust, secure connection for machine control and monitoring equipment operating in harsh environments where standard RJ-45 connectors are unsuitable. The design is highly suitable for factories and other applications such as oil fields, stadiums and concert halls, railroads and marinas.

Shielded versions are available as standard for protection against electromagnetic interference (EMI) together with a range of custom designed Cat 5e cables to survive in harsh environments.

Alan Minns joins the Aerco team

WE ARE delighted to announce that Alan Minns, previously a key account manager at Honeywell, has joined our DESIGNSUPPORT team as customer account manager.

Well known throughout the industry Alan is based at his home in Berkshire and is responsible for a number of key accounts throughout the country and works to help design engineers to select the optimum products from our extensive product portfolio.

Alan brings a wealth of experience to Aerco having spent nearly 35 years in the

electronics and aerospace industries. He spent 16 years at Icore as a design engineer and in sales and over 18 years at Honeywell where he was a key account manager during which time he project managed the Eurofighter programme throughout Europe.

We are convinced that Alan's experience and knowledge will bring enormous benefit to our customers.

Alan Minns can be contacted at aminns@aerco.co.uk.



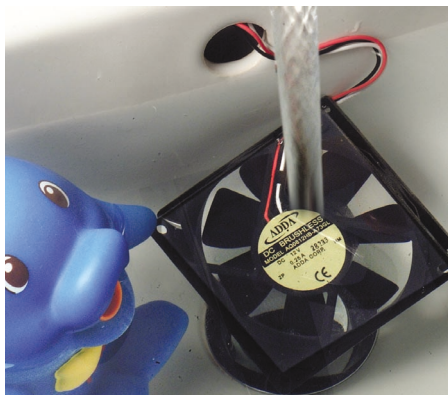
Binder M12 connectors

WE CAN now supply the popular 763 series of Binder M12 connectors. These screw fixing connectors have a nickel-plated, coated brass housing and the connector has a moulded-on PVC or PUR cable that can be either 2m or 5m long. Other lengths can be supplied on request.

The pins are gold plated and available in 3,4,5 and 8 configurations. Rated to IP67/68, shielded and non-shielded versions are available as are UL versions.

The 763 series is compatible with the Binder 713 M12 connector range and these small, versatile connectors will find applications in areas such as pneumatic control systems, motion sensors and flow sensors for liquids and gasses.

New fans tough it out in harsh conditions



THE AQ series is a new range of IP55 waterproof fans from ADDA that we are now stocking in 60mm, 70mm, 80mm, 92mm and 120mm frame sizes, all of which are available in both 12V and 24V versions.

Speed options from 1,800 to 4,500 rev/min provide airflow capability varying from 6.23 litres/sec (13.2 CFM) to 49.25 litres/sec (104.4 CFM) ensuring that the fan most suited to the application can be selected.

These new fans will be ideal for all applications where harsh environmental conditions prevail and are protected against direct or indirect spray of water on to the fan, extended exposure to salt spray and salt fog and when operating in air containing fine dust particles.

The fans can be supplied fitted with a range of IP protected connectors, extended lead lengths and threaded inserts where installation is difficult.

New fibre optic connectors

WE NOW have available a range of fibre optic connectors from Honeywell that are available as two complementary products, the HFE4 (Honeywell Fibre Optic Emitter) LED and the HFD3 (Honeywell Fibre Optic Detector) receiver.

The LED converts electrical signals into optical power that can be used in fibre optic communications and is impervious to thunderstorms and high voltages. The receiver detects the optical signal to provide a linear or switched output, depending on component selection that is similarly robust. This makes them ideal for applications such as data communications, CCTV systems, machine tools, controls and drives, packaging, converting and food processing machines, assembly handling equipment, robots, simulators and test equipment.

Ready to use, with a wide power range and built in a rugged metal housing, these fibre optic connectors are highly robust and withstand typical operating temperatures from -40°C up to 100°C. Data rates can vary from DC to above 85MHz depending upon component application.

Latest Aerco road show goes out of this world

Marc Bunce, Nadine Anderson and Teresa Setchfield took the newly designed Aerco in-house exhibition stand to EADS Astrium in Manchester recently. EADS Astrium is



Nadine Anderson, Marc Bunce and Teresa Setchfield at EADS Astrium

a world leader in space applications, specialising in the design and manufacture of satellites and deals in civil and military telecommunications, Earth observation, science and navigation programmes and a whole range of space equipment and associated ground infrastructure. The day was a great success with Aerco's DESIGNSUPPORT team giving advice and support to engineers on several new design applications.

If you would like the Aerco road show to visit you contact Marc Bunce on 01403 260206 or mbunce@aerco.co.uk

Concerned about lead-free directive?

AT AERCO, we are taking the RoHS (Restriction of use of certain Hazardous Substances) Directive that comes into force on 1st July 2006 very seriously.

Under the directive manufacturers of certain categories of electrical and electronic equipment will not be able to sell products that contain any of six banned substances unless specific exemptions apply. The banned substances are lead, cadmium, mercury, hexavalent chromium and PBB and PBDE flame retardants.

We are now at the stage of collating information and speaking with suppliers to find out which products are going to be effected and we will then decide on the most appropriate way to present the results.

Any questions or concerns should be directed to our quality manager Alan Jackson on 01403 260206

Call Aerco

If you want more details of any of the products described in this issue of Product Times please contact Marc Bunce on 01403 260206, email mbunce@aerco.co.uk or visit www.aerco.co.uk



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