CC-Link certified Ethernet encoders open to future automation!

To address market demands and deliver value-adding products to its customers, Lika Electronic has developed the new EXM58 and EXO58 absolute encoders compatible with network technologies from the CC-Link Partner Association (CLPA).

CC-Línk IE Field Basic

- CC-Link IE Field Basic certified encoders
- Easier 100 Mbit network connection and transparent SLMP communications
- Energy Harvesting Technology
- Precise optical or robust magnetic sensing technology
- Integrated web server and firmware update function

Lika Electronic's Ethernet encoders family grows and adds the **CC-Link IE Field Basic** compatibility to its **EXM58 magnetic and EXO58 optical series.** CC-Link IE Field Basic is the popular, 100 Mbit version of the CC-Link IE open industrial Ethernet. It is an ultra high speed and ultra large capacity network, which provides both synchronous deterministic (cyclic) communication and asynchronous on-demand messaging (transient) communication.

Originated with the CC-Link (Control & Communication) fieldbus in 1996 developed by Mitsubishi Electric Corporation, it is managed by the CC-Link Partner Association (CLPA) currently, **https://www.cc-link.org/en/**. CC-Link is among the most popular Ethernet-based networks in the world. It is a de facto standard in Asia, but the USA and the United Kingdom are using CC-Link increasingly.

Marco Calabrese, Managing Director - Sales & Marketing at Lika, explains: *"This latest development project started when one of our customers asked our specialists for a reliable encoder solution that could communicate through the CLPA's standards. This also aligned perfectly with our ongoing plans to strengthen our portfolio by adding products that are interoperable with a wide variety of solutions offered by many other CLPA partners.*

This also helps us to expand the support we offer for the creation of advanced Industry 4.0 setups".

The EXM58 and EXO58 absolute rotary encoders are CC-Link certified and belong to Lika's wide Ethernet family which also includes Profinet, EtherNet/IP, EtherCAT, POWERLINK, and MODBUS/TCP devices.
The EXM58 encoders mount the robust **magnetic sensing** technology while the EXO58 encoders are equipped with the high accuracy **optical sensing** technology.
They are very light and compact thanks to the integration of the **Energy Harvesting Technology** circuit.
It enables the multiturn counter to be battery-free and gearless and the risk of mechanical failures to be significantly reduced at the same time. The range of the working temperature is extended from -40°C to +100°C (-40°F to +212°F) to cover many industrial applications.
They can mount solid and blind hollow shafts. Also the Universal power supply circuit is very useful, it enables an input voltage of +5Vdc +30Vdc.
Singleturn versions provide resolutions up to 18 bits while multiturn versions offer resolutions up to 30 bits. They have axial connector outlet.