

Press Release

ICS AND ICB INDUCTIVE PROXIMITY SENSOR SERIES WITH INTEGRATED IO-LINK COMMUNICATION

Easy configuration and set-up for the ICS and ICB series, available in M8 stainless steel housing and M12, M18 and M30 nickel plated brass housings.

Lainate, June 2018 - Carlo Gavazzi Automation, the international electronics group with activities in the design, manufacture and marketing of electronic equipment, presents the new ICS and ICB families with integrated IO-Link communication.

The ICS08 series represents the ideal solution for industrial automation equipment in applications where space is limited, but long switching distance is needed. It is available in a stainless steel housing, with an M8 plug and 2m PVC cable connection for flexible mounting.

The new generation of the ICB series is a complete family of high performance inductive sensors for contactless and wear-free detection of metallic objects in industrial automation applications. It is available in a nickel-plated brass housing in three diameters: M12, M18 and M30, with an extended sensing distance range between 4 and 22 mm.

Once connected to an IO-Link master, these sensors can be easily and completely configured, enabling additional advanced functionalities such as the detection counter (RPM) and the speed controller. Each sensor now becomes fully programmable and allows hundreds of configurations in one single device.

"This full range of IO-Link inductive sensors, from M8 to M30, enables us to enter Industry 4.0, as IO-Link is considered the universal "USB port" for industrial automation, and our offer will soon be enlarged with 2 other additional series," Aldo Caputo, International Product Manager, says. "With this launch Carlo Gavazzi's intention is to strengthen its position on the market, by providing reliable and high-performance inductive sensors with advanced technological content."

Developed in our Competence centre in Denmark, these IO-Link inductive sensor series have been designed to meet requirements from markets such as: Plastic & rubber, Materials handling, Packaging and Machine tools, and to provide more and more tailored solutions so as to perfectly fit any application need.

Main technical features

ICS08 Series

- Stainless steel M8 barrel housings
- Sensing distance from 2 mm up to 4 mm
- Flush and non-flush versions
- Output DC 100 mA
- NPN or PNP, NO or NC or programmable
- 2 m PVC cable or M8-plug
- Up to 2 kHz operating frequency
- Adjustable sensing distance and hysteresis and configurable output
- Clearly visible LED with diagnostic functions
- Operating temperature: -25°C to +80°C (-13° to +176°F)
- IO-Link communication V 1.1 for IO-Link items

ICB12, ICB18 and ICB30 Series

- Nickel-plated brass M12, M18 or M30 cylindrical threaded barrel housings
- Sensing distance from 4 mm to 22 mm
- Flush and non-flush versions
- 2 m PVC cable or M12-plug
- Up to 2 kHz operating frequency
- Adjustable sensing distance and hysteresis and configurable output
- Operating temperature: -25°C to +70°C (-13° to +158°F), and -40°C to +70°C (-40° to +158°F) for M12-plug version
- IO-Link communication V 1.1

ABOUT CARLO GAVAZZI AUTOMATION

Carlo Gavazzi Automation is an international electronics group with activities in the design, manufacture and marketing of electronic equipment targeted at the global markets of industrial and building automation.

Carlo Gavazzi Automation provides customers with technologically innovative, high quality and competitive solutions, in compliance with their requirements and expectations through its 22 National Sales Companies in Europe, the Americas and Asia & Pacific, operating with its production sites in Denmark, Italy, Malta, Lithuania and China.

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