

## Press Release

### **MINIATURE IBS AND ICS INDUCTIVE PROXIMITY SENSOR SERIES WITH INTEGRATED IO-LINK COMMUNICATION**

Thanks to the compact size and the high operating frequency of up to 6 kHz, these miniature sensors are mainly used in rotational speed monitoring and wherever there is limited installation space.

Lainate, July 2018 - Carlo Gavazzi Automation, the international electronics group with activities in the design, manufacture and marketing of electronic equipment, presents two more new series of inductive sensors with integrated IO-Link communication: the miniaturized IBS04 and ICS05.

The IBS04 and the ICS05 series represent the ideal solution for industrial automation equipment in applications where space is very limited and where non contact detection of metal objects in general position-sensing and presence sensing is required.

These sensors are available in a stainless steel housing with an M8 plug and 2m PVC cable connection for flexible installation.

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.

“Thanks to the advanced electronics used, these series of miniature IO-Link inductive sensors guarantee highly accurate and repeatable sensing performance in a very compact design, meeting the stringent requirements of the industrial automation market,” Aldo Caputo, International Product Manager, states. “With this launch, Carlo Gavazzi further expands its offer for Industry 4.0, providing a new, complete range of IO-Link sensors and thus reinforcing its position on the market.”

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

#### **Main technical features**

- $\Phi$ 4 stainless steel cylindrical smooth barrel, IP67 (IBS04)
- M5 stainless steel cylindrical threaded barrel, IP67 (ICS05)
- Maximum rated operating distance from 0.8 to 1.3 mm
- Short barrel housings
- 2m PVC cable or M8 plug
- Operating frequency up to 6 kHz
- Operating temperature between -25°C and +70°C (-13° to +158°F)
- 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.

#### **For further information:**

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