

Press Release

CA18EA, CA18FA, CA30EA AND CA30FA CAPACITIVE PROXIMITY SENSOR SERIES WITH INTEGRATED IO-LINK COMMUNICATION

Fully customizable, high-performance and multi-purpose IO-Link sensors in AISI316L stainless steel or PTFE housings.

Lainate, May 2020 - Carlo Gavazzi Automation, the international electronics group with activities in the design, manufacture and marketing of electronic equipment, presents four new series of capacitive sensors with integrated IO-Link communication: the CA18EA..IO, CA18FA..IO, CA30EA..IO and the CA30FA..IO.

Based on our 4th generation TRIPLESIELD™ sensors, the CA18.. and the CA30.. series represent the ideal solution for industrial automation equipment in applications where the sensing performance needs to be constantly and accurately monitored and logged. The new sensor families are realized in AISI316L sturdy stainless steel housings or PTFE housings for high chemical resistance.

Besides the full range of technical features provided by our capacitive sensor families, the IO-Link communication mode enables additional advanced functionalities such as: QoR (Quality of Run), QoT (Quality of Teach) and diagnostic parameters. With IO-Link each sensor becomes fully programmable and customizable, allowing more than half a million setting combinations.

“Thanks to the integrated IO-Link interface, these capacitive sensors guarantee high-performance and maximum flexibility, meeting the requirements of the industrial automation market,” Torben Rochat, International Product Manager, states. “With this launch, Carlo Gavazzi further expands its offers for Industry 4.0, providing a new and reliable range of IO-Link capacitive sensors and thus reinforcing its position in the market.”

Developed in our Competence centre in Denmark, these IO-Link capacitive sensor series have been designed to be used in specific markets such as Plastic & Rubber, HVAC, Agriculture and Food & Beverage, providing the ideal solutions so as to perfectly fit any application need.

Main technical features

- M18 and M30 in AISI316L stainless steel or PTFE housings
- Programmable sensing distance and hysteresis
- Sensing mode: single point, two point and windows mode
- Logic functions: AND, OR, XOR and “Gated SR/FF”
- Timer functions: ON, OFF and One shot from
- Configurable output/input: NPN, PNP, Push-Pull and external input
- Alarm outputs: temperature and dust - with adjustable set points
- Logging functions: temperatures, operational hours, power cycles, configuration changes
- Detection filter
- Application modes: Standard, Plastic or Level applications
- Quality of Run (QoR) and Quality of Teach (QoT)

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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