

Press Release

CD34CNFLF: THE NEW CAPACITIVE SENSOR FOR ACCURATE LEVEL DETECTION

Compact housing with IP69K ratings and ECOLAB approval
for wash-down applications and harsh environments.

Lainate, February 2018 - Carlo Gavazzi Automation, the international electronics group with activities in the design, manufacture and marketing of electronic equipment, today presents the new CD34 liquid level capacitive sensor family.

The CD34CNFLF capacitive sensor is designed to detect water-based liquids through a non-metallic wall. It automatically adapts to various thicknesses of plastic or glass walls while reliably compensating for any residual amounts of film, moisture or foam accumulation.

The universal mounting brackets make the sensor highly flexible as it can easily be fixed on different tubes or containers. This sensor operates out of the box in most applications and its teach-in capabilities enable it to adapt to and satisfy more challenging applications.

“Usually the sensing principle detects only the level of the liquids, ignoring foam, film or build-up that would cause faulty detection of standard capacitive sensors,” says Torben Rochat – International Product Manager. “With this launch Carlo Gavazzi expands its range of capacitive sensors, providing an appropriate solution that meets customers’ requirements for the reliable detection of liquids, taking into account residual film, moisture or foam build-up from liquids such as water, milk, body fluids (e.g. blood) and acid- or alkaline solutions with conductivity as high as 50 mS/cm, inside or outside the container wall.”

Developed by our Competence Centre in Denmark, the CD34CNFLF... sensors are targeted at specific applications in markets such as Packaging, Food & Beverage, Agriculture and Water Treatment.

Main technical features

- Compact housing
- Supply voltage: 10 to 30 VDC
- Output: 100 mA, NPN or PNP preset
- Make or break switching function
- LED indication for output and power ON
- Protection: reverse polarity, short circuit and transients
- Cable and pigtail M8 plug versions
- Excellent EMC performance
- IP65, IP66, IP67, IP68 and IP69K for hose-down applications
- cULus approved
- ECOLAB-certified

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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