

Italian Sensors Technology



Application: freeze-dried products detection in vending machines CE, CT, C18, C30, CQ50, CQ55 Capacitive Sensors

Proximity Sensors
Application note
CAT3E001263801
Application note - capacitive models - English - Ed.01/2012





MARKET SECTORS

DESCRIPTION OF THE MARKET SECTOR AND ITS TYPICAL **ACTIVITY**

APPLIED SOLUTION

Vending machines

Vending machines distributing hot beverages like milk, coffee or tea, need to detect the level of powders that have to be mixed with hot water.

M.D. Micro Detectors' Capacitive Sensors can detect the level granting the correct distribution of products.

SPECIFICATIONS

C18

- DC or AC supply voltage
- High noise immunity
- Shielded and unshielded models Adjustable sensitivity
- Adjustable sensitivity
- Plastic housing

CE

- DC supply voltage
- Shielded and unshielded models Adjustable sensitivity

- DC supply voltage

- Metallic housing
- -Self monitoring models

C30

Cubic

- DC or AC supply voltage
- High noise immunity
- Shielded and unshielded models
- Adjustable sensitivity
- Plastic or metallic housing

CQ50

- DC supply voltage
- High noise immunity
- Adjustable sensitivity

CQ55

- Capacitive water level

Capacitive Sensors

Cylindrical

sensor

C18 CE CT C30 **CQ50 CQ55** M18 M30 M30 15 x 35 x 55 mm ø 20 mm 7 x 30 x 50 mm standard shielded 3...8 mm 10 mm 2...16 mm 3...12 mm 4...25 mm long distance shielded 5/6/7/10 mm 15 mm 4...25 mm long distance unshielded 20 mm standard housing miniaturized housing supply voltage output type NPN - NO NPN - NC PNP - NC NPN - NO + NC DECOUT® 4...20 mA -25°C...+80°C -25°C...+70°C -25°C...+70°C -25°C...+80°C -0°C...+60°C -25°C...+80°C IP67 IP67 IP67 IP65 IP65 IP67 PF / stainless steel stainless steel nickel plated brass Noryl active head material PΕ I PG PΕ PBT Noryl PC CUL US LISTED **(€** CUL US LISTED C€ (€ (€ CUL US LISTED C€ (€

TECHNICAL FEATURES

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M.D. Micro Detectors S.p.A. con Unico Socio

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