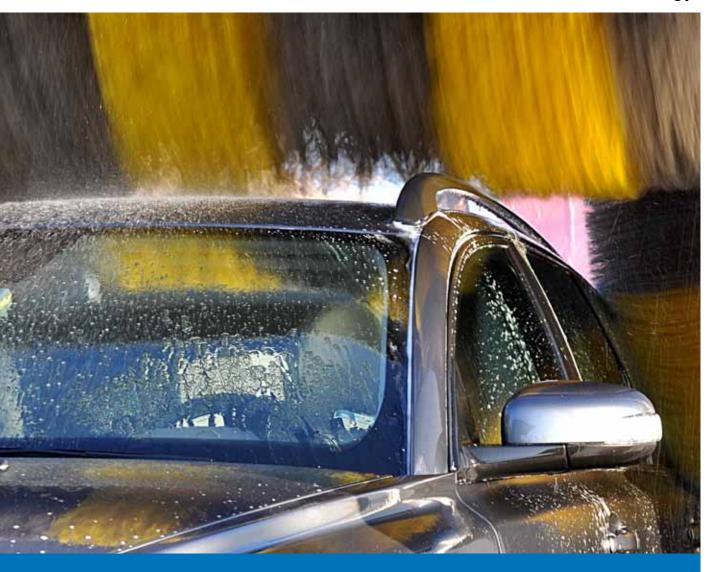


Italian Sensors Technology



Application: soap and waxes level in automatic washing systems

C18, CE, CT, C30, CQ50, CQ55 Capacitive Sensors

Proximity Sensors

Application note CAT3E001261629 Application note - capacitive models - English - Ed.01/2012



MARKET SECTORS

DESCRIPTION OF THE MARKET SECTOR AND ITS TYPICAL ACTIVITY

APPLIED SOLUTION

SPECIFICATIONS

washing systems.

Industrial and private washing systems.

M.D. Micro Detectors capacitive sensors can detect the level of liquids in the plastic reservoirs, allowing operators to substitute them whenever they're finished.

To grant a perfect washing of cars, it is necessessary to check the level of liquids like soaps and waxes In automatic

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

C18

Plastic housing

CQ50

- DC supply voltage
- High noise immunity
- Capacitive water level sensor

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CQ55

- CE
- DC supply voltage

- Shielded and unshielded models Adjustable sensitivity
- Metallic housing
- -Self monitoring models

- DC or AC supply voltage - High noise immunity

C30

- Shielded and unshielded

- Adjustable sensitivity Cubic Cylindrical CO55 C18 CE СТ C30 **CQ50** dimensions M18 M30 15 x 35 x 55 mm ø 20 mm M30 7 x 30 x 50 mm standard shielded 3...8 mm 10 mm 2...16 mm 4...25 mm 3...12 mm long distance shielded 5/6/7/10 mm 15 mm 4...25 mm long distance unshielded 20 mm standard housing • ٠ ٠ • . • miniaturized housing supply voltage Vdc • • • • Vac • . output type NPN - NO NPN - NC . • PNP - NC . • • NPN - NO + NC . . . • DECOUT® . . 4...20 mA temperature range -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 IP65 IP65 IP67 IP67 IP67 ng material PE / stainless steel PE stainless steel nickel plated brass Noryl PC active head material PE I PG PBT PE Noryl PC

TECHNICAL FEATURES

Copyright:

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

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СТ

- DC supply voltage

- - - models
 - Adjustable sensitivity
 - Plastic or metallic housing

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CE

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6455

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CE

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CE