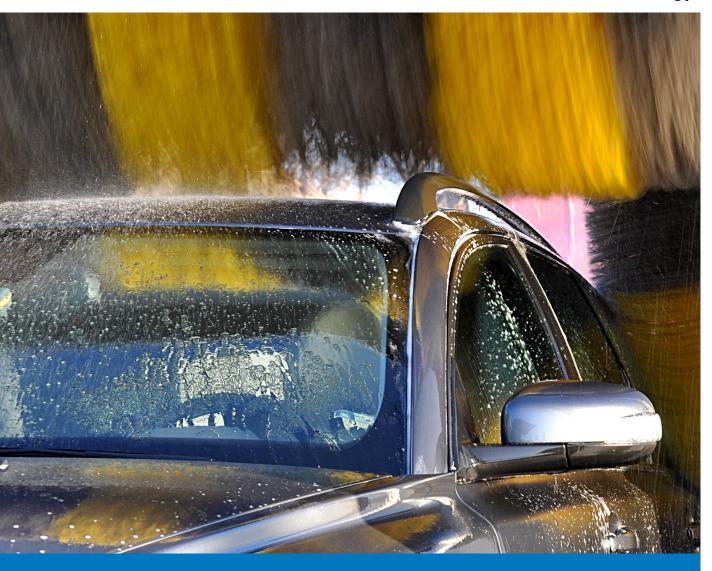


Italian Sensors Technology



Application: soap and waxes level in automatic washing systems

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

Proximity Sensors

Application note CAT3E001262901 Application note - capacitive models - English - Ed.01/2012



MARKET SECTORS

DESCRIPTION OF THE MARKET SECTOR AND ITS TYPICAL ACTIVITY

APPLIED SOLUTION

SPECIFICATIONS

Industrial and private washing systems.

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

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

CQ50

C18

- DC supply voltage
- High noise immunity
- Adjustable sensitivity

CE

CQ55

sensor

- Capacitive water level

- DC supply voltage

- Metallic housing
- -Self monitoring models

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

C30

- Shielded and unshielded models

- DC or AC supply voltage

- Adjustable sensitivity
- Plastic or metallic housing

			Capacitive Sensors					
			Cylindrical				Cubic	
			C18	CE	СТ	C30	CQ50	CQ55
			3		C.N.	Y		A Carlo Carl
9	dimensions		M18	ø 20 mm	M30	M30	7 x 30 x 50 mm	15 x 35 x 55 mm
	standard shielded		38 mm	10 mm		216 mm		
4	standard unshielded	d	312 mm			425 mm		
	long distance shielded		_		15 mm		5/6/7/10 mm	425 mm
ľ	long distance unshi	lelded	_	_	20 mm	!		
	standard housing		•	•	•	•	•	•
	short housing		_		<u> </u>	_		
	miniaturized housin	ng				[]		
s	supply voltage	Vdc Vac	•	•	•	•	•	•
	output type	NPN - NO	_		•		•	
		NPN - NC	—	_	•	— ·	•	—
		PNP - NO		-	•	_	•	
		PNP - NC		'	•	<u> </u>	<u> </u>	
		PNP - NO + NC	•			•		•
. A .		NPN - NO + NC DECOUT®	•	•		•	·	•
		SCR	•	_			_	
		010 V			L /			
		420 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
V	protection degree		IP67	IP65	IP65	IP67	IP67	IP67
Y	housing material		PE	stainless steel	nickel plated brass	PE / stainless steel	Noryl	PC
	active head material		PE	LPG	PBT	PE	Noryl	PC
1	output	cable	•	•	•	•	•	•
		M8 plug	—	—	_	-	-	_
		M12 plug	•	•	•	•		•
	ATEX							
9	other certifications		c	CE	CE		CE	CUUUS LISTED CE

TECHNICAL FEATURES

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