

Italian Sensors Technology







## Cubic capacitive Sensor CQ55



## **Proximity Sensors**

Catalogue

Cod. CAT3ECQ1264401 Datasheet - CQ55 - English - Ed.01/2012







# Series CQ55

## capacitive



www.microdetectors.com



#### market sectors and applications

plastic industry
chemical & petrochemical industry
wood industry
photovoltaic installations
glass & ceramic industry
packaging industry
logistic & automatic storage systems
automatic breeding systems
automatic car washing systems
pools & whirlpool baths
vending machines



## features

DC supply voltage

Adjustable sensitivity

Flat polycarbonate plastic housing

## approvals





## protection degree

IP67











#### cubic capacitive Sensor CQ50

CQ55 capacitive sensors are made in a flat polycarbonate housing with 4-wire DC output with both make (NO) and break (NC) switching. Their triple screening allows a **high noise immunity**. Output indication is activated through yellow LED. Thanks to their short size it is possible to use them in **application requiring minimum working space**.

Continuous current versions are available, 2m lenght PVC cable or M12 plug versions are both available. All sensor have an **IP67 protection degree.** 

#### packaging content

Instruction manual (English + Italian): CAT8BCT1259401

#### further commercial and technical documents available

Datasheet (Italian: CAT3ECQ1264201 and Spanish: CAT3SCQ1264501)

High resolution pictures

#### Application notes:

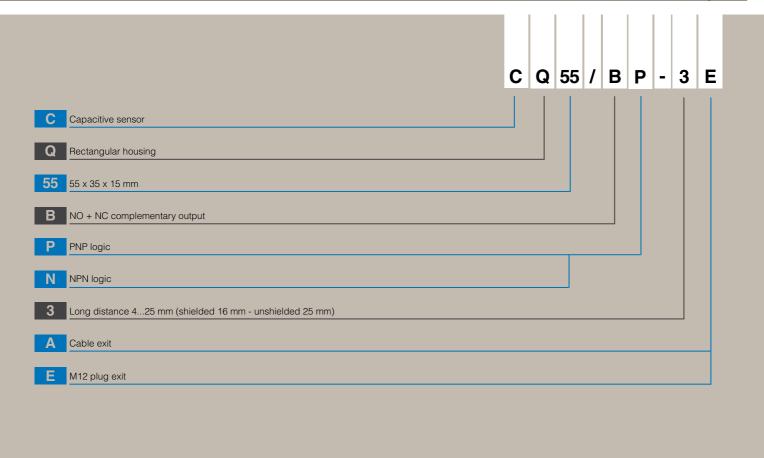
- position detection of buckets, dumpers, loadersin diggers (English: CAT3E001262001, Italian: CAT3I001261901 & Spanish: CAT3S001262101)
- detection of food in automatic mangers (English: CAT3E001262301, Italian: CAT3I001262201, & Spanish: CAT3S001262401)
- water level detection in whirlpool baths (English: CAT3E001262601, Italian: CAT3I001262501 & Spanish: CAT3S001262701)
- soaps and waxes level in automatic washing systems (English: CAT3E001262901, Italian: CAT3I001262801, & Spanish: CAT3S001263001)
- water level detection in automatic washing systems (English: CAT3E001263201, Italian: CAT3I001263101 & Spanish: CAT3S001263301)
- goods detectioninside boxes (English: CAT3E001263501, Italian: CAT3I001263401 & Spanish: CAT3S001263601)
- freeze-dried products detection in vending machines (English: CAT3E001263801, Italian: CAT3I001263701 & Spanish: CAT3S001263901)
- photovoltaic panles presence and position detection (English: CAT3E001264101, Italian: CAT3I001264001 & Spanish: CAT3S001264201)

#### custom models already tested

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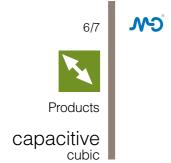
#### minimum quantity that can be ordered

## code description



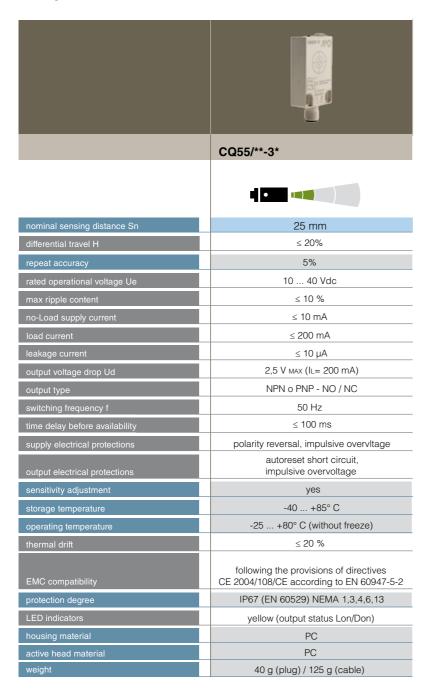
## available models

supply	installation	distance	connection	NPN NO+NC	PNP NO+NC
1040 Vdc	shielded / unshielded	425 mm	2 m cable	CQ55/BN-3A	CQ55/BP-3A
			M12 Plug	CQ55/BN-3E	CQ55/BP-3E



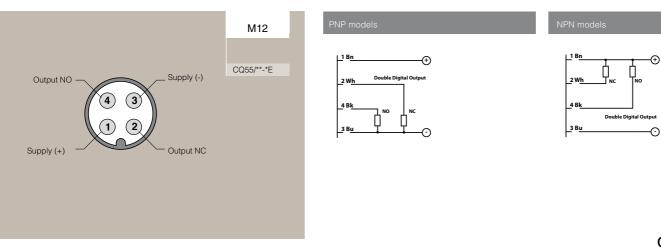
## technical specifications

according to IEC EN 60947-5-2 and IEC EN 60947-5-7

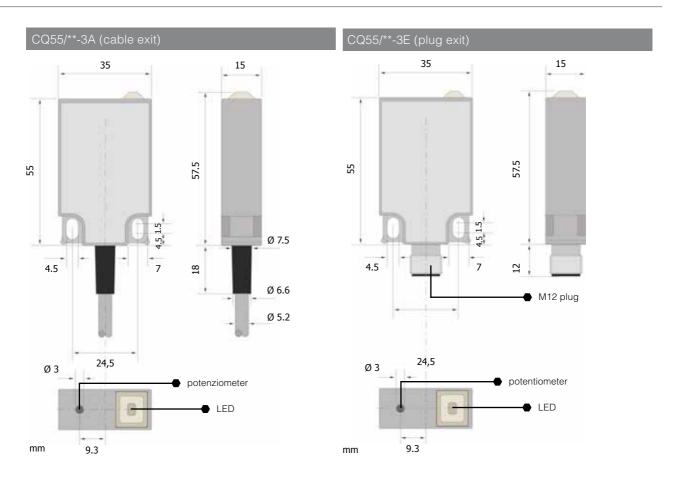




## electrical diagrams of the connections



### dimensions





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#### CAT3ECQ1264401 DATASHEET CQ55 ENGLISH ED.01/2012

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