

Italian Sensors Technology

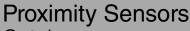






Cubic capacitive Sensor CQ55





Catalogue
Cod. CAT3ECQ1261644

Cod. CAT3ECQ1261644 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: CAT3ECQ1261642 and Spanish: CAT3SCQ1261645)

High resolution pictures

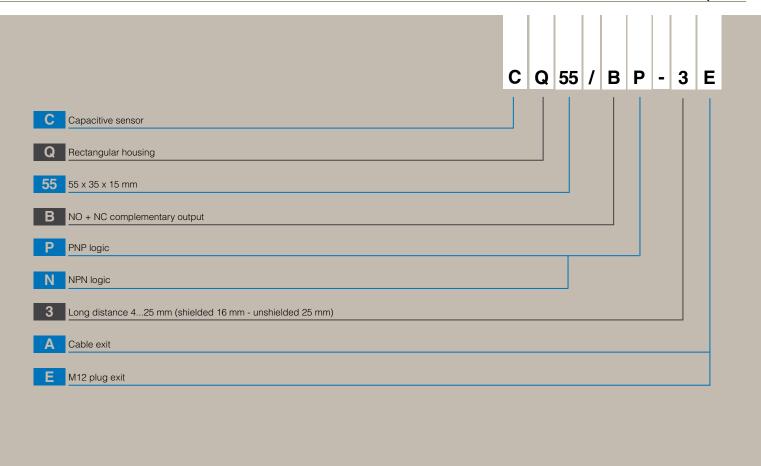
Application notes:

- position detection of buckets, dumpers, loadersin diggers (English: CAT3E001261620, Italian: CAT3I001261619 & Spanish: CAT3S001261621)
- detection of food in automatic mangers (English: CAT3E001261623, Italian: CAT3I001261622, & Spanish: CAT3S001261624)
- water level detection in whirlpool baths (English: CAT3E001261626, Italian: CAT3I001261625 & Spanish: CAT3S001261627)
- soaps and waxes level in automatic washing systems (English: CAT3E001261629, Italian: CAT3I001261628, & Spanish: CAT3S001261630)
- water level detection in automatic washing systems (English: CAT3E001261632, Italian: CAT3I001261631 & Spanish: CAT3S001261633)
- goods detectioninside boxes (English: CAT3E001261635, Italian: CAT3I001261634 & Spanish: CAT3S001261636)
- freeze-dried products detection in vending machines (English: CAT3E001261638, Italian: CAT3I001261637 & Spanish: CAT3S001261639)
- photovoltaic panles presence and position detection (English: CAT3E001261641, Italian: CAT3I001261640 & Spanish: CAT3S001261642)

custom models already tested

minimum quantity that can be ordered

code description



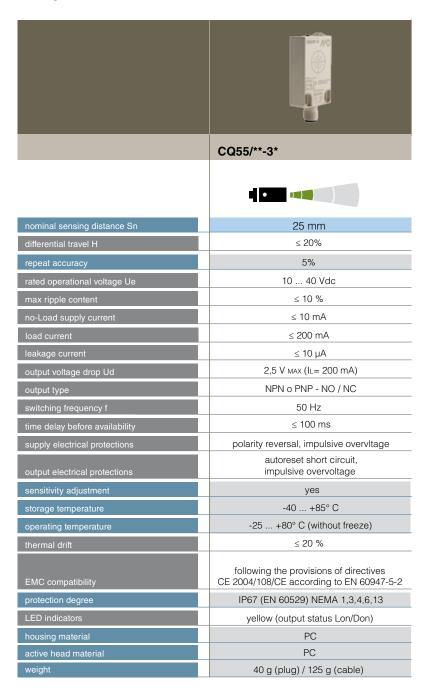
available models

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



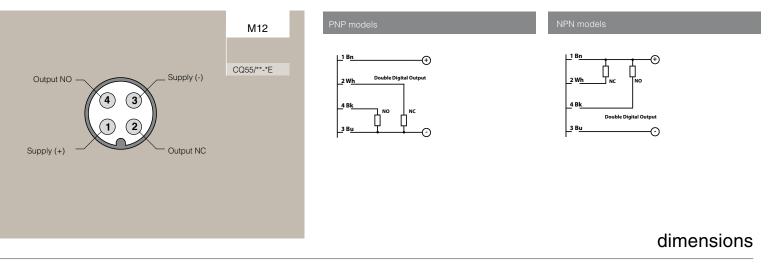
technical specifications

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





electrical diagrams of the connections



CQ55/**-3A (cable exit) 35 35 15 15 57.5 57.5 22 22 Ø 7.5 4.5 4.5 12 18 Ø 6.6 ● M12 plug Ø 5.2 24,5 24,5 Ø3 Ø3 potentiometer potenziometer ◆ LED ◆ LED 9.3 9.3 mm mm



Proximity Sensors Catalogue







CAT3ECQ1261644 DATASHEET CQ55 ENGLISH ED.01/2012

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