

Italian Sensors Technology







M18 cylindrical capacitive Sensor C18



Proximity Sensor Catalogue Cod. CAT3EC11261653

Cod. CAT3EC11261653 Datasheet - C18 - English - Ed.01/2012









# Series C18

# capacitive cylindrical



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## 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 or AC supply voltage

High noise immunity

Shielded and unshielded models

Adjustable sensitivity

Plastic housing

# approvals





# protection degree

IP67







#### M18 cylindrical capacitive Sensor C18

C18 capacitive Proximity Sensors are made in a M18 polyester threaded housing. Their high technology can grant a high noise immunity.

Output indication is activated through yellow LED. SCR output is normally closed or normally open. 2 mt. long cable or M12 plug models are available. All sensors have an **IP67 protection degree**.

#### pack content

Instruction manual (English + Italian): CAT8BCT1259401

#### further commercial and technical documents available

Datasheet (Italian: CAT3ICQ1261643 and Spanish: CAT3SCQ1261645)

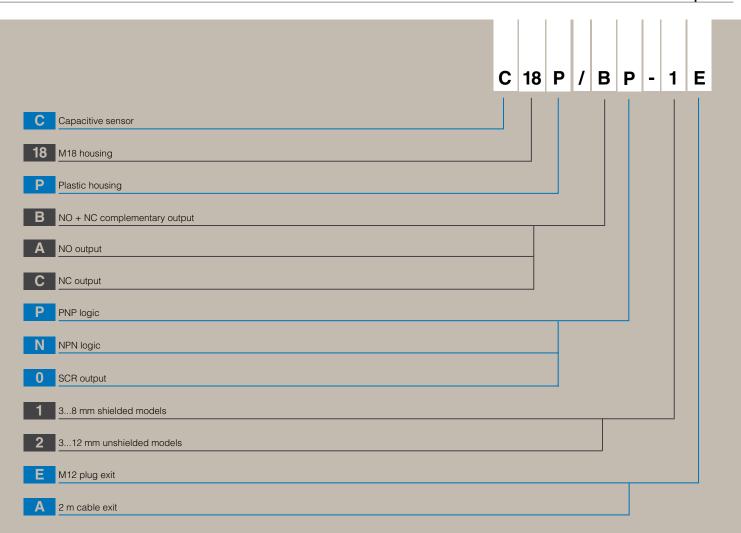
High resolution pictures

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



### available models

supply	installation	distance	connections	NPN NO+NC	PNP NO+NC	NO	NC
1040 Vdc	shielded	38 mm	2 m cable	C18P/BN-1A	C18P/BP-1A	-	-
			M12 plug	C18P/BN-1E	C18P/BP-1E	-	-
	unshielded	312 mm	2 m cable	C18P/BN-2A	C18P/BP-2A	-	-
			M12 plug	C18P/BN-2E	C18P/BP-2E	-	-
20250 Vca	shielded	38 mm	2 m cable	-	-	C18P/A0-1A	C18P/C0-1A
			M12 plug	-	-	C18P/A0-1E	C18P/C0-1E
	unshielded	312 mm	2 m cable	-	-	C18P/A0-2A	C18P/C0-2A
			M12 plug	-	-	C18P/A0-2E	C18P/C0-2E



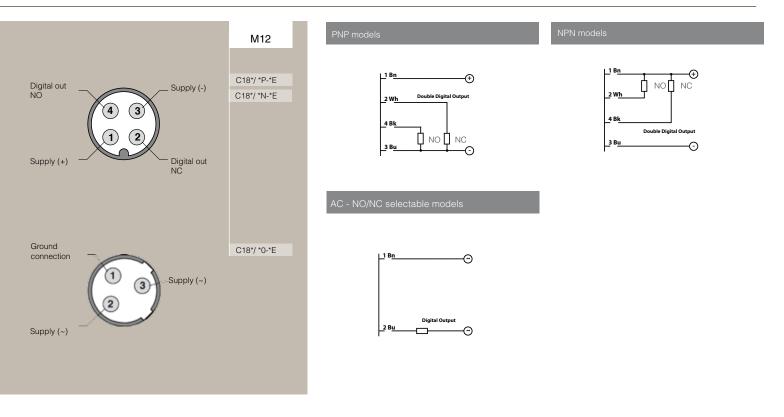
# technical specifications

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

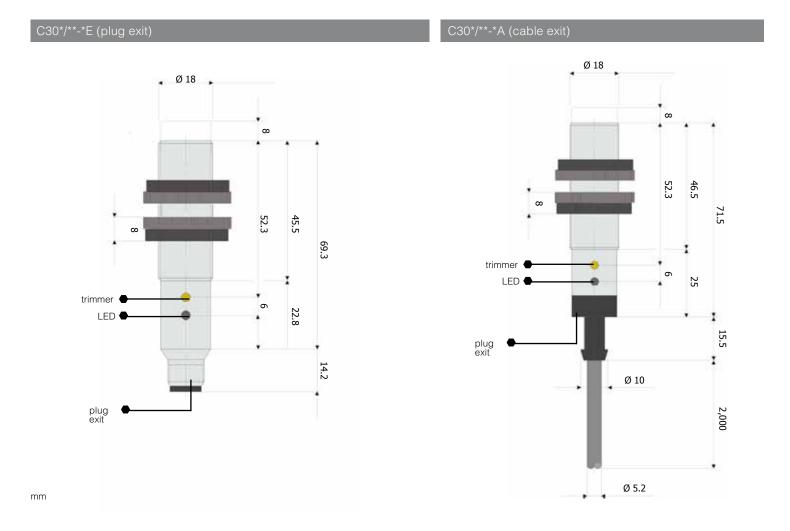


BN brown
BU blue
BK black
WH white

# electrical diagrams of connections



#### dimensions





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