

**KN340227**
**CAPACITIVE SENSORS • NORM SWITCHING DISTANCE**

Capacitive proximity switches are contact-free sensors. They detect metallic and non-metallic objects, regardless of whether they move or not. The achievable sensing range of the devices depends on the object material, its dimensions and the response sensitivity, which is set via a potentiometer. The vibration-resistant sensors can be approached laterally or frontally. Capacitive proximity switches are used for presence detection (e.g. sealing detection), positioning (e.g. PET bottles), counting (e.g. plastic caps), level detection (e.g. lubricant) or distance measurements (e.g. thickness measurement) of solid and liquid materials.


**TECHNICAL DATA**

Ambient temperature	-25 °C ... 70 °C
Ambient temperatures < -25°C	No
Auto-adaptive	No
Cascadable	No
Ceramic sensor surface	No
Degree of protection (IP)	IP67
Detection of labels	No
Devices for hose / pipe mounting	No
Distance measuring sensors	No
Housing design	Cylinder plain
Housing material	PBT
Increased ambient temperatures > 80°C	No
Level detection	Yes
Level detection of sand container for railed vehicles	No
Level detection of synthetic granules for injection molding machines	No
Max. output current	400 mA
Mechanical mounting condition for sensor	Not flat
Pressure-proof	No
Protected against electrostatic charge	No
Reverse polarity protection	No
Sensor diameter	34 mm
Sensor length	90 mm
Short-circuit-proof	No
Suitable for safety functions	No
Switching distance	30 mm
Teflon housing	No
Type of electrical connection	Connector M12
Type of switching function	Breaker contact
Type of switching output	PNP

**TECHNICAL DATA**

Voltage type	DC
With LED display	No
With monitoring function of downstream devices	No

**DIMENSIONAL DRAWING****INSTALLATION**

Mounting / Installation may only be carried out by a qualified electrician!

**DISPOSAL****SAFETY WARNINGS**

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!

Never use these devices in applications where the safety of a person depends on their functionality.