

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

**TECHNICAL DATA**

Level detection of synthetic granules for injection molding machines

NO

**DIMENSIONAL DRAWING**