



CM PTFE

Sensors in cylindrical PTFE-housing that withstand tough environments

CAPACITIVE PROXIMITY SENSORS

SICK
Sensor Intelligence.



Technical data overview

Housing	Cylindrical thread design
Thread size	M18 x 1
Sensing range S_n	≤ 8 mm
Housing material	PTFE coating
Enclosure rating	IP67
Connection	Cable
Electrical wiring	DC 4-wire

Product description

Capacitive proximity sensors can detect all types of material: powder-based, granulated, liquid, and solid. The CM18 PTFE is ideal for detecting the level of acids, alkalis, or solvents, for example. It is also used for detection in aggressive environments (acid fumes). PTFE-housing is resistant to almost all chemicals and organic solvents.

At a glance

- M18 - metric housing
- Detects powders, granulates, liquids and solids
- Extremely high electromagnetic compatibility
- Electric version: DC, 4 cables
- Supply voltage: 10 V ... 36 V DC
- Short-circuit protection (pulsed)
- Housing material made from PTFE
- IP 67 protection class

Your benefits

- Lower maintenance costs due to a durable PTFE housing that withstands harsh ambient conditions
- Quick and easy adjustment via potentiometer saves installation and setup time
- Straightforward and safe sensor technology as an alternative to photoelectric and inductive sensors in applications such as detecting a product in a sealed box, container, or tank
- High electromagnetic compatibility prevents incorrect switching, thus increasing machine availability
- High shock and vibration resistance increases sensor life and reduces machine maintenance costs

Ordering information

Other models and accessories → www.sick.com/CM_PTFE

- **Sensing range S_n :** 3 mm ... 8 mm
- **Installation type:** flush
- **Electrical wiring:** DC 4-wire
- **Connection type:** Cable, 4-wire
- **Output function:** Complementary

Switching output	Type	Part no.
NPN	CM18-08BNP-TW0	6026194
PNP	CM18-08BPP-TW0	6026195

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com