



CM18-12NPP-EW1

CM

CAPACITIVE PROXIMITY SENSORS

SICK
Sensor Intelligence.



Illustration may differ



Ordering information

Type	Part no.
CM18-12NPP-EW1	6058148

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

Detailed technical data

Features

Housing	Cylindrical thread design
Thread size	M18 x 1
Diameter	Ø 18 mm
Sensing range S_n	3 mm ... 12 mm
Safe sensing range S_a	9.18 mm ¹⁾
Installation type	Non-flush
Switching frequency	50 Hz
Connection type	Cable, 4-wire, 2 m ²⁾
Output type	PNP
Output function	Complementary
Output characteristic	Wire configurable
Electrical wiring	DC 4-wire
Adjustment	Potentiometer (Sensitivity)
Enclosure rating	IP68, IP69K ³⁾
Authorizations	Ecolab, CE-conformity, cULus ⁴⁾

¹⁾ For flush mounting in electrically conductive materials $S_a = 0.8 \times S_r$ at temperatures $<0 \text{ }^\circ\text{C}$ and $>60 \text{ }^\circ\text{C}$.

²⁾ Do not bend below $0 \text{ }^\circ\text{C}$.

³⁾ 1 m water depth / 60 min.

⁴⁾ P3-topax 19, P3-topax 56, P3-topax 66, P3-topactive DES.

Mechanics/electronics

Supply voltage	10 V DC ... 36 V DC
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¹⁾ Of U_b .

²⁾ At I_a max.

³⁾ Without load.

⁴⁾ Of S_r .

⁵⁾ U_b and T_a constant.

⁶⁾ $+120 \text{ }^\circ\text{C}$ short time, at the front of the sensor.