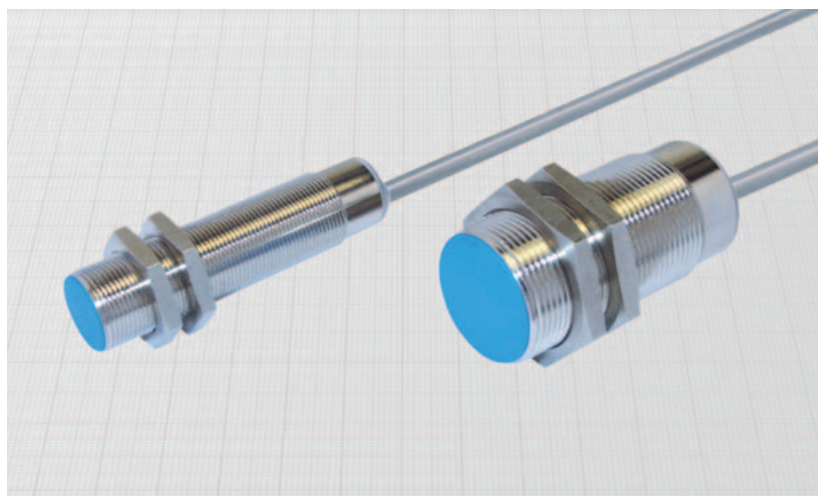
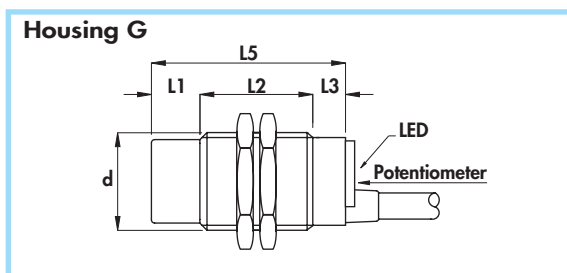
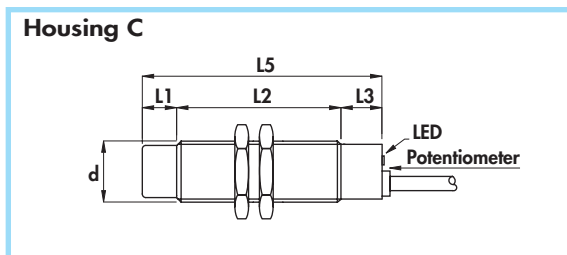


CYLINDRICAL CAPACITIVE SENSORS IN METAL HOUSING

- Amplified in a.c. 2 wires + earth
- Cable output



Diameter	M18 x 1	M30 x 1,5
Nut	Size	SW24
	Thickness mm	4
Max tightening torque Nm	35	80

Materials:

- Cable: 2 m PVC CEI 20 - 22 II; 90°C; 300 V; O.R.
- Housing: nickel plated brass
- Sensing face: plastic

General Features:

Capacitive sensors are suitable for any material detection. Some material, mostly if liquids, can be detected also through plastic or glass walls. They can be used for the most different applications: level controls on storage bin or tanks; detection of presence or filling of bottles; rain sensor; anti-vandalic key; etc. The adjustment of the sensing distance is possible through the potentiometer on the back cap close to the LED.

Technical data:

- Supply voltage (U_B): 20 ÷ 240 Vac
- Frequenza di rete: 40 ÷ 60 Hz
- Off-state current (I_f): ≤ 1,5 mA at 110 Vac
- Minimum operational current (I_m): 5 mA
- Voltage drop (U_d): ≤ 7 V
- Temperature range: - 25° ÷ + 70°C
- Max thermal drift of sensing distance S_s : ± 20%
- Repeat accuracy (R): 4%
- Switching hysteresis max (H): 15%
- Degree of protection: IP65
- Switch status indicator: yellow LED
- Cable conductor cross section: 0,35 mm² on 18 mm
0,75 mm² on 30 mm
- Suppression of initial false impulse
- Electromagnetic compatibility (EMC) according to EN60947-5-2
- Shock and vibration resistance according to EN60068-2-27 EN60068-2-6

Housing	Flush mounting Non flush mounting	L1	L2	L3	L4	L5	Cable diameter	Body diameter (d)	Max switching frequency (f)	Rated operational current (I _e)	Nominal sensing distance (S _n) ±10%	ORDERING REFERENCES	
		mm	mm	mm	mm	mm							
C	•	-	50	10	-	60	5	M18 x1	10	250	2 ÷ 5	AKS18/4609S AKS18/5609S	AKS18/4619S AKS18/5619S
C	•	10	40	10	-	60	5	M18 x1	10	250	3 ÷ 10		
G	•	-	50	10	-	60	6	M30 x1,5	10	250	3 ÷ 10	AKS30/4609S AKS30/5609S	AKS30/4619S AKS30/5619S
G	•	15	35	10	-	60	6	M30 x1,5	10	250	5 ÷ 20		