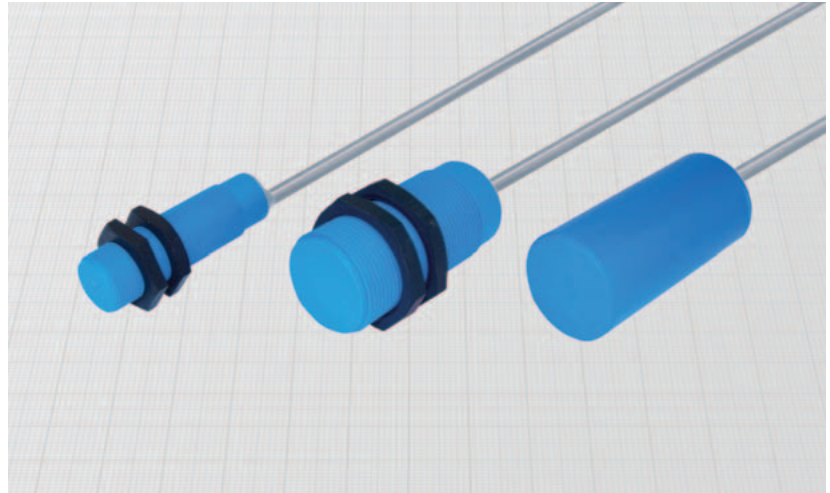
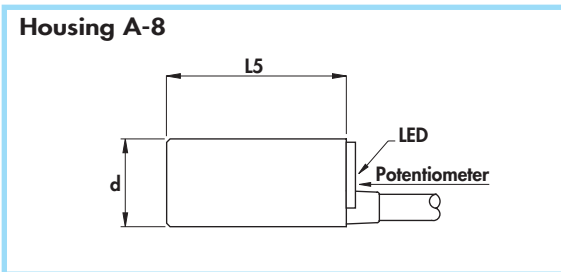
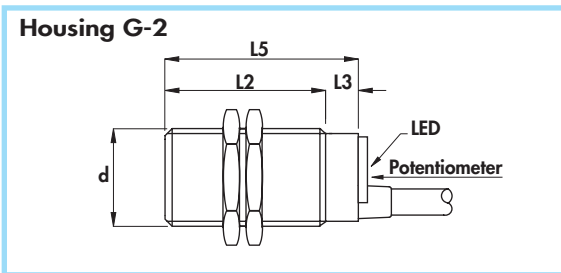
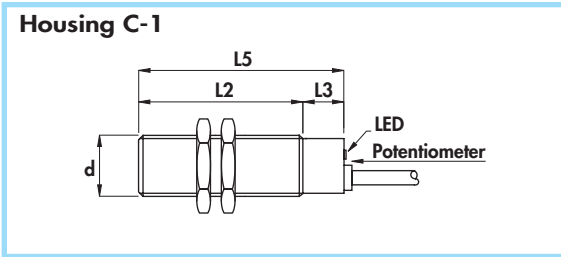


CYLINDRICAL CAPACITIVE SENSORS IN PLASTIC HOUSING

- Amplified in d.c. 4 wires
- Diameters 18 - 30 - 34 mm
- Cable output



| | | |
|--------------------------|--------------|-----------|
| Diameter | M18 x 1 | M30 x 1,5 |
| Nut | Size | SW24 |
| | Thickness mm | 4 |
| Max tightening torque Nm | 5 | 20 |

Materials:

- Cable: 2 m PVC CEI 20 - 22 II; 90°C; 300 V; O.R.
- Housing: plastic
- 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): 10 ÷ 60 Vdc
- Max ripple: 10%
- No-load supply current (I_0): ≤ 10 mA
- Voltage drop (U_d): ≤ 2,2 V
- Temperature range: -25° ÷ +70°C
- Max thermal drift of sensing distance S_T : ± 20%
- Repeat accuracy (R): 4%
- Switching hysteresis max (H): 15%
- Degree of protection: IP65
- Switch status indicator: yellow LED
- Cable conductor cross section: 0,50 mm²
- Protected against short-circuit and overload
- Protected against any wrong connection
- 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 | | | | | | mm | Hz |
| C-1 | • | - | 50 | 10 | - | 60 | 5 | M18 x1 | 100 | 400 | 2 ÷ 5 | | BKS18P/4629KS |
| C-1 | • | - | 40 | 10 | - | 60 | 5 | M18 x1 | 100 | 400 | 3 ÷ 10 | | BKS18P/5629KS |
| G-2 | • | - | 50 | 10 | - | 60 | 6 | M30 x1,5 | 100 | 400 | 3 ÷ 10 | | BKS30P/4629KS |
| G-2 | • | - | 35 | 10 | - | 60 | 6 | M30 x1,5 | 100 | 400 | 5 ÷ 20 | | BKS30P/5629KS |
| A-8 | • | - | - | - | - | 70 | 6 | 34 | 100 | 400 | 3 ÷ 20 | BKS34P/5629KS | |

NPN (negative switching)

Use the above mentioned part number changing the last number 9 with 8 (ie. BKS18P/4628KS)