CYLINDRICAL CAPACITIVE SENSORS IN PLASTIC HOUSING

Amplified in a.c. 2 wires •
Diameters 18 - 30 mm •
Cable output •

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 tank; 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 (Ud): 20 ÷ 240 Vac
- Electrical system frequency: 40 ÷ 60 Hz
- Off-state current (Ir): ≤ 1,5 mA at 110 Vac
- Minimum operational current (Im): 5 mA
- Voltage drop (Ud): ≤ 7 V
- Temperature range: - 25°C ÷ + 70°C
- Max thermal drift of sensing distance Sr: ± 20% ± 4%
- Switching hysteresis max (H): 15%
- Degree of protection: IP65
- Switch status indicator: yellow LED
- Cable conductor cross section:
  0,50 mm² on 18 mm
  0,75 mm² on 30 mm
- Suppression of initial false impulse
- Class 2 equipment according to IEC 536
- Shock and vibration according to EN60068-2-27 EN60068-2-6
- Electromagnetic compatibility (EMC) according to EN60947-5-2

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

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<thead>
<tr>
<th>Diameter</th>
<th>M18 x 1</th>
<th>M30 x 1,5</th>
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<tbody>
<tr>
<td>Nut Size</td>
<td>SW24</td>
<td>SW36</td>
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<tr>
<td>Thickness mm</td>
<td>4</td>
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<tr>
<td>Max tightening torque Nm</td>
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<tr>
<th>Ordering References</th>
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<tr>
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<tr>
<td>AKS18P/4609S</td>
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<td>AKS18P/4619S</td>
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