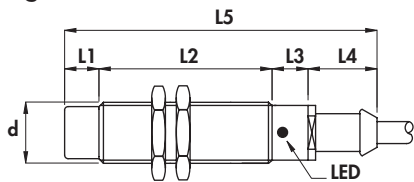
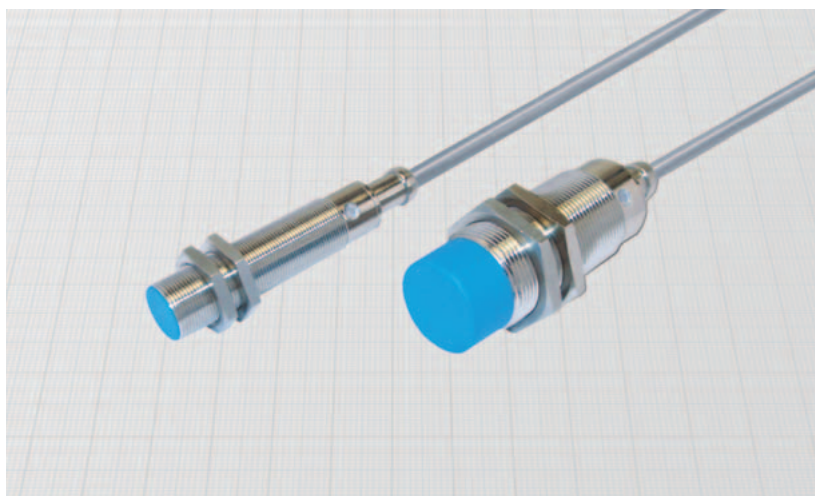
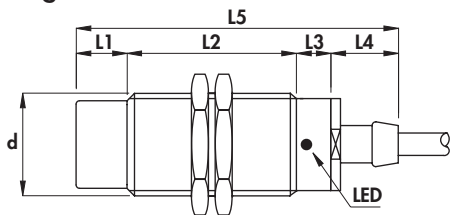


## ACB SERIES • Amplified in a.c. 3 wires + earth • Cable output •

Housing D-1



Housing D-2



Diameter		M18 x 1	M30 x 1,5
Nut	Size	SW24	SW36
	Thickness mm	4	5
Max tightening torque Nm		35	80

**Materials:**

- Cable: 2 m PVC
- Housing: nickel plated brass
- Sensing face: plastic

**General Features:**

These sensors have two wires for power supply and one for the output. They are able to drive very low current loads such as some kind of PLC with A.C. inputs.

**Technical data:**

- Supply voltage ( $U_B$ ): 20 ÷ 240 Vac
- Electrical system frequency: 40 ÷ 60 Hz
- No-load supply current ( $I_o$ ): ≤ 4 mA
- Minimum operational current ( $I_m$ ): 0,5 mA
- Voltage drop ( $U_d$ ): ≤ 3 V
- Temperature range: -20° ÷ +70°C
- Max thermal drift of sensing distance  $S_r$ : ± 10%
- Repeat accuracy (R): 2%
- Switching hysteresis (H): 10%
- Degree of protection: IP67
- Switch status indicator: yellow LED
- Cable conductor cross section: 0,75 mm<sup>2</sup>
- Suppression of initial false impulse
- Electromagnetic compatibility (EMC) according to EN60947-5-2 **CE**
- 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 <sub>o</sub> )	Nominal sensing distance (S <sub>r</sub> ) ± 10%	ORDERING REFERENCES	
												mm	mm
D - 1	•	-	60	12	20	92	6	M18 x 1	20	250	5	<b>ACB18/4709S</b>	<b>ACB18/4719S</b>
D - 1		10	50	12	20	92	6	M18 x 1	20	250	8	<b>ACB18/5709S</b>	<b>ACB18/5719S</b>
D - 2	•	-	65	10	20	95	6	M30 x 1,5	20	250	10	<b>ACB30/4709S</b>	<b>ACB30/4719S</b>
D - 2	•	15	50	10	20	95	6	M30 x 1,5	20	250	15	<b>ACB30/5709S</b>	<b>ACB30/5719S</b>