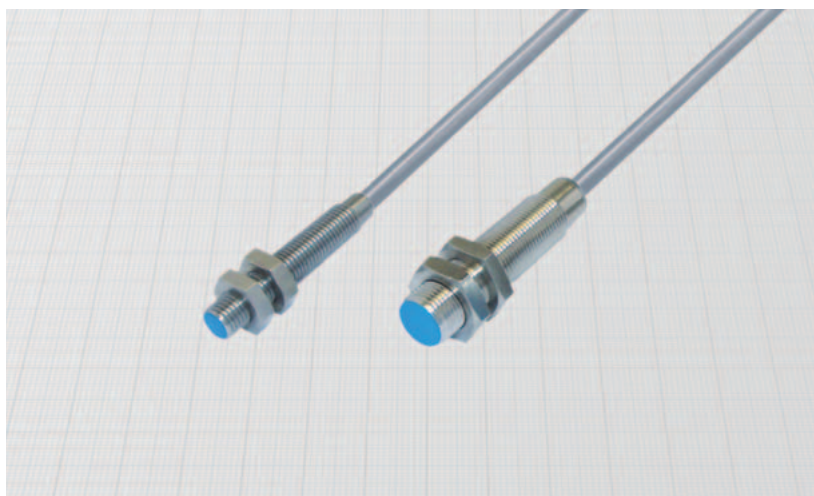
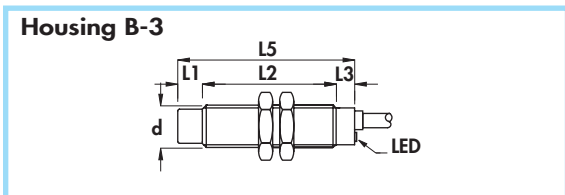
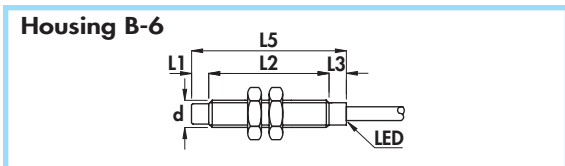


Extended sensing distance - diameters 8 - 12 mm •  
 Amplified in d.c. 3 wires •  
 Cable output •



Diameter	M8 x 1	M12 x 1
Nut	Size	SW13
	Thkns mm	4
Max tightening torque Nm	10	15

**Materials:**

- Cable: 2 m PVC CEI 20 - 22 II; 90°C; 300 V; O.R.
- Housing 8 mm: stainless steel
- Housing 12 mm: nickel plated brass
- Sensing face: plastic

**Technical data:**

- Supply voltage ( $U_B$ ): see ordering references
- Max ripple: 10%
- No-load supply current ( $I_0$ ):  $\leq 10$  mA
- Voltage drop ( $U_d$ ):  $\leq 1,5$  V
- Temperature range:  $-20^\circ \div +70^\circ\text{C}$
- Max thermal drift of sensing distance  $S_T$ :  $\pm 10\%$
- Repeat accuracy (R): 4%
- Switching hysteresis (H): 10%
- Degree of protection: IP67
- Switch status indicator: yellow LED
- Cable conductor cross section: 0,22 mm<sup>2</sup> on 8 mm  
0,35 mm<sup>2</sup> on 12 mm
- 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)	Supply voltage ( $U_B$ )	Max switching frequency (f)	Rated operational current ( $I_e$ )	Nominal sensing distance ( $S_n$ ) $\pm 10\%$	ORDERING REFERENCES	
													PNP (positive switching)	
		mm	mm	mm	mm	mm	mm	mm	V (min - max)	Hz	mA	mm		
B-6	•	-	40	5	-	45	3,5	M8 x 1	7÷30	800	200	2	<b>DCAE8/4609KS</b>	<b>DCAE8/4619KS</b>
B-6	•	-	40	5	-	45	3,5	M8 x 1	7÷30	800	200	2,5	<b>DCE8/4609KS</b>	<b>DCE8/4619KS</b>
B-6	•	5	35	5	-	45	3,5	M8 x 1	7÷30	400	200	3	<b>DCAE8/5609KS</b>	<b>DCAE8/5619KS</b>
B-6	•	5	35	5	-	45	3,5	M8 x 1	7÷30	400	200	3,5	<b>DCE8/5609KS</b>	<b>DCE8/5619KS</b>
B-3	•	-	43	7	-	50	4	M12 x 1	7÷40	800	200	3	<b>DCAE12/4609KS</b>	<b>DCAE12/4619KS</b>
B-3	•	-	43	7	-	50	4	M12 x 1	7÷40	800	200	4	<b>DCE12/4609KS</b>	<b>DCE12/4619KS</b>
B-3	•	7	36	7	-	50	4	M12 x 1	7÷40	600	200	5	<b>DCAE12/5609KS</b>	<b>DCAE12/5619KS</b>
B-3	•	7	36	7	-	50	4	M12 x 1	7÷40	600	200	6	<b>DCE12/5609KS</b>	<b>DCE12/5619KS</b>

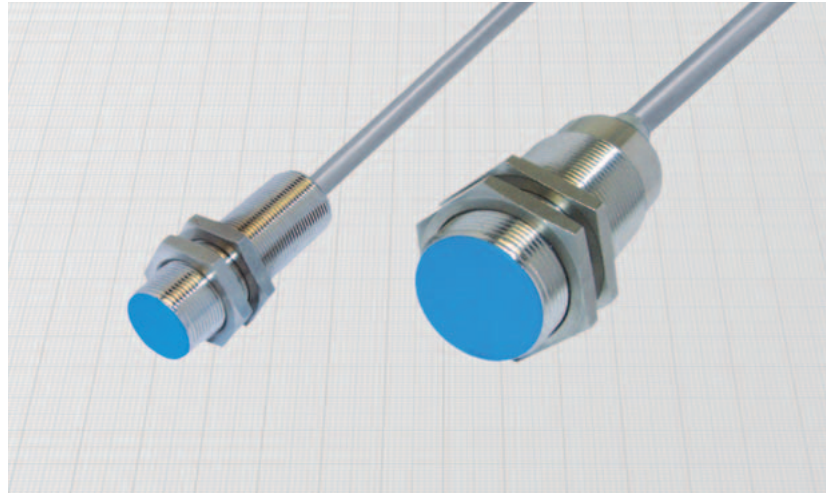
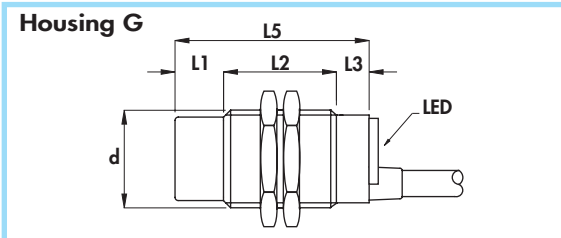
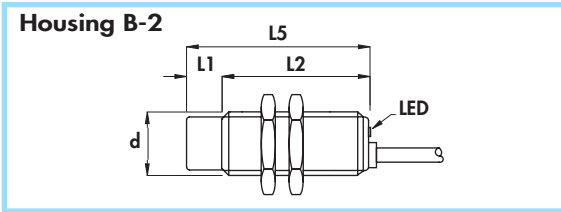
(\*) Note: See mounting precautions (pag. 22)

**NPN (negative switching)**  
 Use the above mentioned part number changing the last number 9 with 8 (ie. DCE8/4608KS)

		NO	NC

# CYLINDRICAL INDUCTIVE SENSORS IN METAL HOUSING

- Extended sensing distance - diameters 18 - 30 mm
- Amplified in d.c. 3 wires
- Cable output



Diameter		M18 x 1	M30 x 1,5
Nut	Size	SW24	SW36
	Thkns mm	4	5
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

### Technical data:

- Supply voltage ( $U_B$ ): see ordering references
- Max ripple: 10%
- No-load supply current ( $I_0$ ):  $\leq 10$  mA
- Voltage drop ( $U_d$ ):  $\leq 1,5$  V
- Temperature range:  $-20^\circ \div +70^\circ\text{C}$
- Max thermal drift of sensing distance  $S_s$ :  $\pm 10\%$
- Repeat accuracy (R): 4%
- Switching hysteresis (H): 10%
- Degree of protection: IP67
- Switch status indicator: yellow LED
- Cable conductor cross section:  $0,50$  mm<sup>2</sup>
- 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)	Supply voltage ( $U_B$ )	Max switching frequency (f)	Rated operational current ( $I_e$ )	Nominal sensing distance ( $S_n$ ) $\pm 10\%$	ORDERING REFERENCES	
													PNP (positive switching)	
B - 2	•	-	50	-	-	50	5	M18 x 1	7÷40	300	200	8		
B - 2	•	-	50	-	-	50	5	M18 x 1	7÷40	300	200	10	<b>DCAE18/4A09KS</b>	<b>DCAE18/4A19KS</b>
B - 2	•	10	40	-	-	50	5	M18 x 1	7÷40	200	200	12	<b>DCE18/4A09KS</b>	<b>DCE18/4A19KS</b>
B - 2	•	10	40	-	-	50	5	M18 x 1	7÷40	200	200	14	<b>DCAE18/5A09KS</b>	<b>DCAE18/5A19KS</b>
B - 2	•	10	40	-	-	50	5	M18 x 1	7÷40	200	200	14	<b>DCE18/5A09KS</b>	<b>DCE18/5A19KS</b>
G	•	-	50	10	-	60	6	M30 x 1,5	7÷40	100	200	15	<b>DCAE30/4609KS</b>	<b>DCAE30/4619KS</b>
G	•	-	50	10	-	60	6	M30 x 1,5	7÷40	100	200	20	<b>DCE30/4609KS</b>	<b>DCE30/4619KS</b>
G	•	15	35	10	-	60	6	M30 x 1,5	7÷40	100	200	20	<b>DCAE30/5609KS</b>	<b>DCAE30/5619KS</b>
G	•	15	35	10	-	60	6	M30 x 1,5	7÷40	100	200	28	<b>DCE30/5609KS</b>	<b>DCE30/5619KS</b>

(\*) Note: See mounting precautions (pag. 22)

### NPN (negative switching)

Use the above mentioned part number changing the last number 9 with 8 (ie. DCE8/4608KS)

