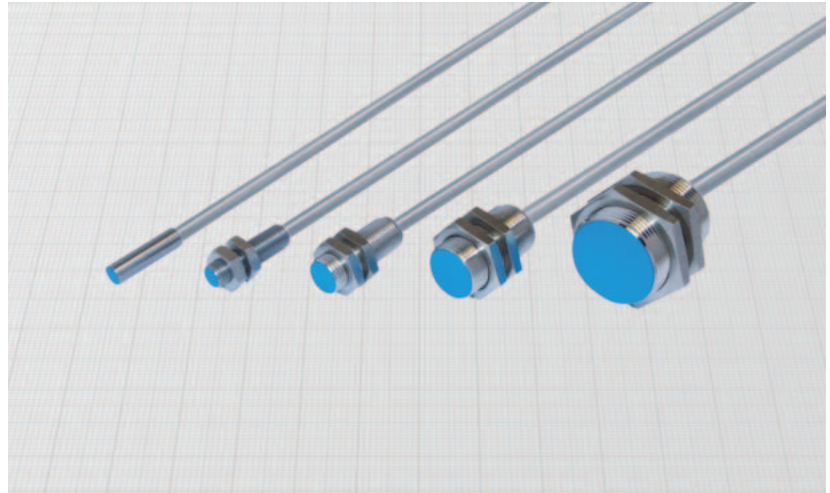
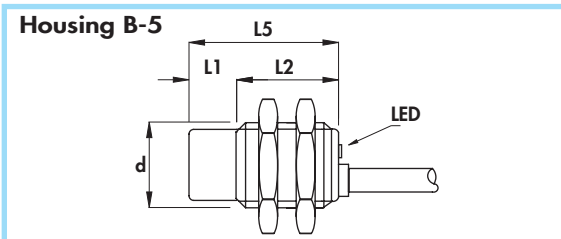
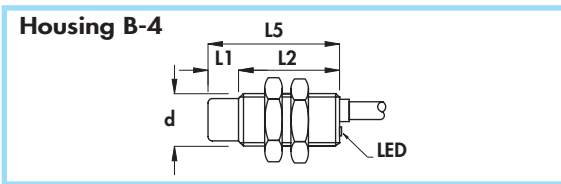
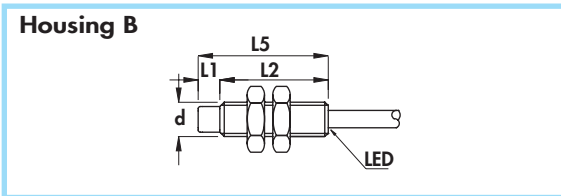
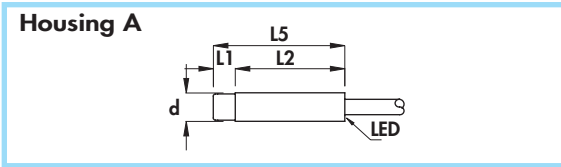


CYLINDRICAL INDUCTIVE SENSORS IN METAL HOUSING

- **SHORT SERIES - Extended sensing distance**
- **Amplified in d.c. 3 wires**
- **Cable output**



Diameter	M8 x 1	M12 x 1	M18 x 1	M30 x 1,5
Nut	Size	SW13	SW17	SW24
	Thickness mm	4	4	4
Max tightening torque Nm	10	15	35	80

Materials:

- Cable: 2 m PVC CEI 20 - 22 II; 90°C; 300 V; O.R.
- Housing 6,5 and 8 mm: stainless steel
- Housing 12 ÷ 30 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): ≤ 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 mm² on 6,5 and 8 mm
0,35 mm² on 12 mm
0,50 mm² on 18 and 30 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		
		mm	mm	mm	mm	mm							PNP (positive switching)		
A	•	-	30	-	-	30	3,5	6,5	7 ÷ 30	800	200	2,5		DSE6,5/4609LKS	DSE6,5/4619LKS
B	•	-	30	-	-	30	3,5	M8 x 1	7 ÷ 30	800	200	2,5		DSE8/4609KS	DSE8/4619KS
B-4	•	-	30	-	-	30	4	M12 x 1	7 ÷ 30	800	200	4		DSE12/4609KS	DSE12/4619KS
B-4	•	7	23	-	-	30	4	M12 x 1	7 ÷ 30	600	200	6		DSE12/5609KS	DSE12/5619KS
B-5	•	-	35	-	-	35	5	M18 x 1	7 ÷ 40	300	200	10		DSE18/4609KS	DSE18/4619KS
B-5	•	10	25	-	-	35	5	M18 x 1	7 ÷ 40	200	200	14		DSE18/5609KS	DSE18/5619KS
B-5	•	-	35	-	-	35	6	M30 x 1,5	7 ÷ 40	100	200	20		DSE30/4609KS	DSE30/4619KS
B-5	•	15	20	-	-	35	6	M30 x 1,5	7 ÷ 40	100	200	28		DSE30/5609KS	DSE30/5619KS

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

NPN (negative switching)
Use the above mentioned part number changing the last number 9 with 8 (ie. DSE6,5/4608LKS)

