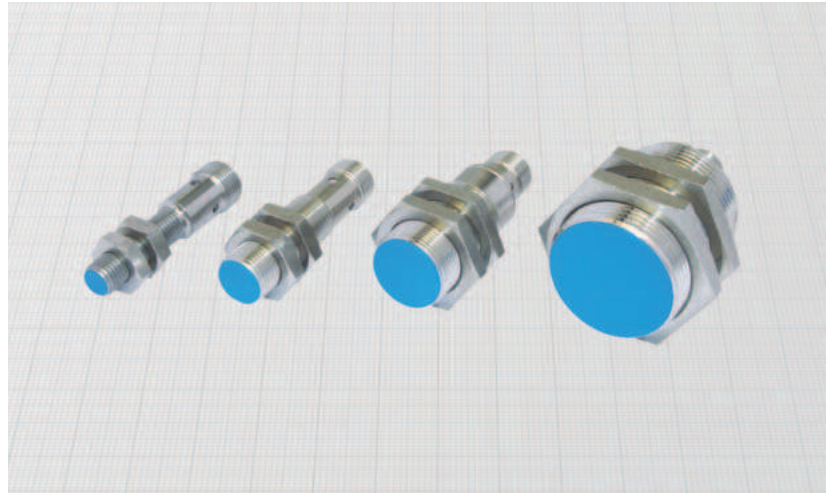
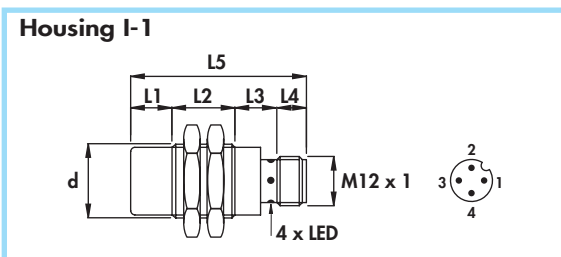
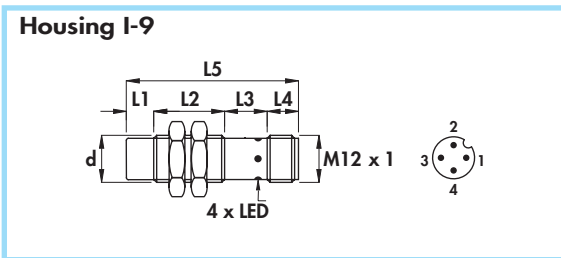
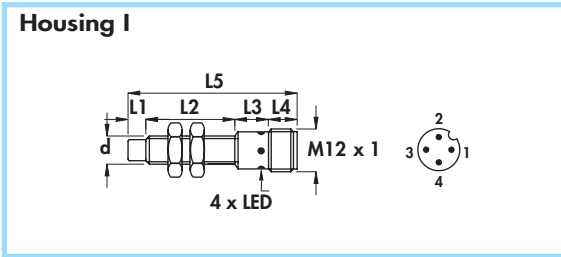


CYLINDRICAL INDUCTIVE SENSORS IN METAL HOUSING

- **SHORT SERIES** - Extended sensing distance
- **Amplified in d.c.**
- Connector output M12 x 1



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:

- Housing 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%
- Rated operational current (I_o): 200 mA
- No-load supply current (I_o): ≤ 10 mA
- Voltage drop (U_d): $\leq 1,5$ V
- Temperature range: $-20^\circ \div +70^\circ$ 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
- 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	Female connector	Body diameter (d)	Supply voltage (U_B)	Max switching frequency (f)	Nominal sensing distance (S_n) $\pm 10\%$	ORDERING REFERENCES	
												PNP (positive switching)	
												NO	NC
I	•	-	26	13	8	47	6-8B-10	M8 x 1	7 ÷ 30	800	2,5		
I-9	•	-	30	10	8	48	6-8B-10	M12 x 1	7 ÷ 30	800	4	DSE8/4309KS	DSE8/43C9KS
I-9	•	7	23	10	8	48	6-8B-10	M12 x 1	7 ÷ 30	600	6	DSE12/4309KS DSE12/5309KS	DSE12/43C9KS DSE12/53C9KS
I-1	•	-	30	19	8	57	6-8B-10	M18 x 1	7 ÷ 40	300	10	DSE18/4309KS	DSE18/43C9KS
I-1	•	10	25	15	8	58	6-8B-10	M18 x 1	7 ÷ 40	200	14	DSE18/5309KS	DSE18/53C9KS
I-1	•	-	25	17	8	50	6-8B-10	M30 x 1,5	7 ÷ 40	100	20	DSE30/4309KS	DSE30/43C9KS
I-1	•	15	25	17	8	65	6-8B-10	M30 x 1,5	7 ÷ 40	100	28	DSE30/5309KS	DSE30/53C9KS

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

NPN (negative switching)
Use the above mentioned part number changing the last number 9 with 8 (ie. DSE8/4308KS)

