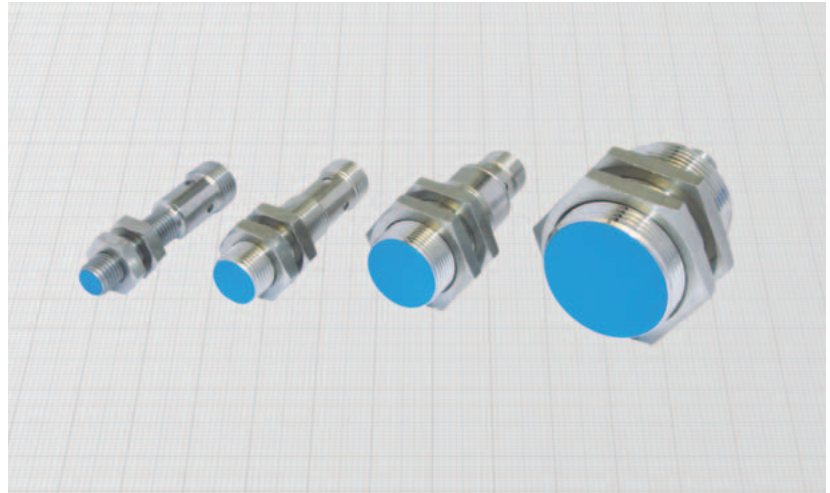
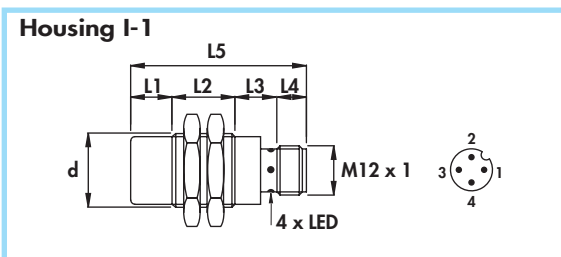
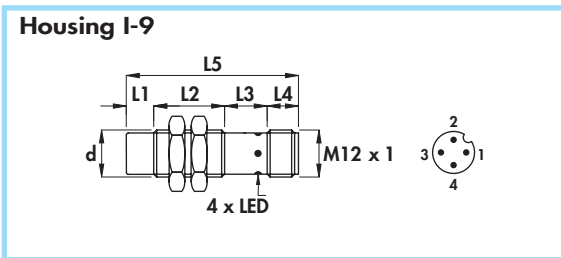
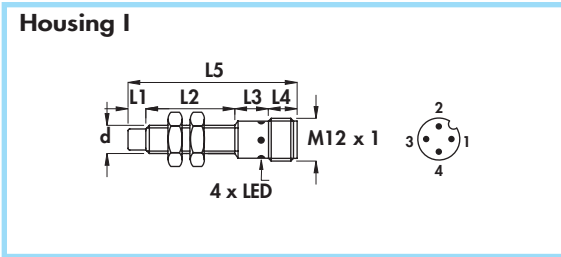


CYLINDRICAL INDUCTIVE SENSORS IN METAL HOUSING

- **SHORT SERIES** - diameters 8 - 12 - 18 - 30 mm
- **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	SW36
	Thickness mm	4	4	4	5
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%
- No-load supply current (I_0): ≤ 10 mA
- Voltage drop (U_d): $\leq 1,5$ V
- Temperature range: $-25^\circ \div +70^\circ$ C
- Max thermal drift of sensing distance S_T : $\pm 10\%$
- Repeat accuracy (R): 2%
- 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)	Rated operational current (I_e)	Nominal sensing distance (S_n) $\pm 10\%$	ORDERING REFERENCES	
													PNP (positive switching)	
I	•	-	26	13	8	47	6-8B-10	M8 x 1	7 ÷ 30	4	200	1,5	 DSA8/4309KS DSA8/5309KS	 DSA8/43C9KS DSA8/53C9KS
	•	5	21	13	8	47	6-8B-10	M8 x 1	7 ÷ 30	3	200	2,5		
I-9	•	-	30	10	8	48	6-8B-10	M12 x 1	7 ÷ 40	2	200	2	 DSA12/4309KS DSA12/5309KS	 DSA12/43C9KS DSA12/53C9KS
	•	7	23	10	8	48	6-8B-10	M12 x 1	7 ÷ 40	1	200	4		
I-1	•	-	25	16	8	49	6-8B-10	M18 x 1	5 ÷ 40	0,8	200	5	 DSA18/4309KS DSA18/5309KS	 DSA18/43C9KS DSA18/53C9KS
	•	10	15	16	8	49	6-8B-10	M18 x 1	5 ÷ 40	0,6	200	8		
I-1	•	-	25	17	8	50	6-8B-10	M30 x 1,5	7 ÷ 40	0,8	200	10	 DSA30/4309KS DSA30/5309KS	 DSA30/43C9KS DSA30/53C9KS
	•	15	25	17	8	65	6-8B-10	M30 x 1,5	7 ÷ 40	0,4	200	15		

NPN (negative switching)

Use the above mentioned part number changing the last number 9 with 8 (ie. DSA8/4308KS)

