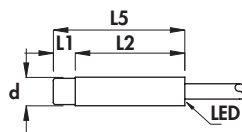


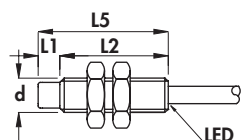
CYLINDRICAL INDUCTIVE SENSORS IN METAL HOUSING

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

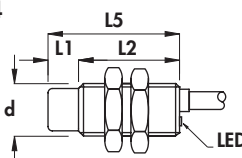
Housing A



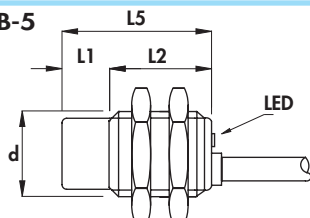
Housing B



Housing B-4



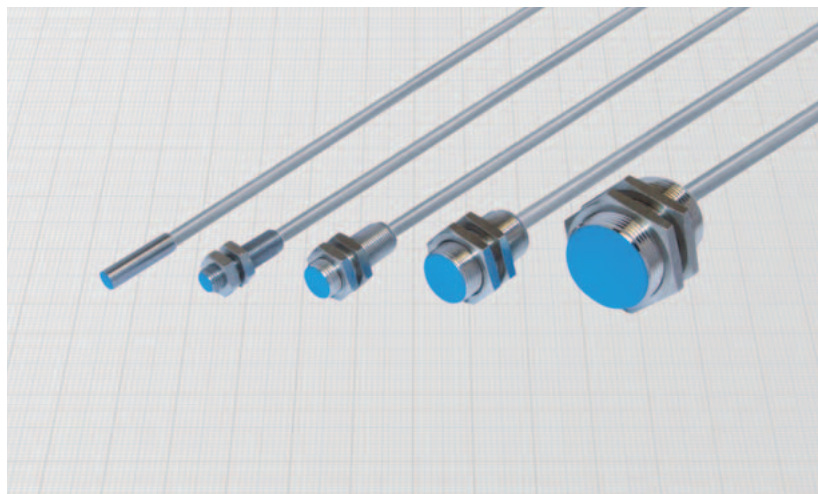
Housing B-5



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:

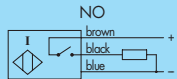
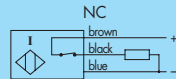
- Cable: 2 m PVC CEI 20 - 22 II; 90°C; 300 V; O.R.
- Housing 6,5 and 8 mm: stainless steel
- Housing 12 ÷ 30 mm: nickel plated brass
- Sensing face: plastic



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: $-25^\circ \div +70^\circ\text{C}$
- 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
- 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						Cable diameter	Body diameter (d)	Supply voltage (U_B)	Max switching frequency (f)	No-load supply current (I_0)	Nominal sensing distance ($S_n \pm 10\%$)	ORDERING REFERENCES	
		L1	L2	L3	L4	L5							PNP (positive switching)	
		mm	mm	mm	mm	mm			V (min - max)	KHz	mA	mm		
A	•	-	30	-	-	30	3,5	6,5	7 ÷ 30	4	200	1,5	DSA6,5/4609LKS	DSA6,5/4619LKS
A	•	5	25	-	-	30	3,5	6,5	7 ÷ 30	3	200	2,5	DSA6,5/5609LKS	DSA6,5/5619LKS
B	•	-	30	-	-	30	3,5	M8 x 1	7 ÷ 30	4	200	1,5	DSA8/4609KS	DSA8/4619KS
B	•	5	25	-	-	30	3,5	M8 x 1	7 ÷ 30	3	200	2,5	DSA8/5609KS	DSA8/5619KS
B-4	•	-	30	-	-	30	4	M12 x 1	7 ÷ 40	2	200	2	DSA12/4609KS	DSA12/4619KS
B-4	•	7	23	-	-	30	4	M12 x 1	7 ÷ 40	1,5	200	4	DSA12/5609KS	DSA12/5619KS
B-5	•	-	30	-	-	30	5	M18 x 1	5 ÷ 40	0,8	200	5	DSA18/4609KS	DSA18/4619KS
B-5	•	10	20	-	-	30	5	M18 x 1	5 ÷ 40	0,6	200	8	DSA18/5609KS	DSA18/5619KS
B-5	•	-	35	-	-	35	6	M30 x 1,5	7 ÷ 40	0,8	200	10	DSA30/4609KS	DSA30/4619KS
B-5	•	15	20	-	-	35	6	M30 x 1,5	7 ÷ 40	0,4	200	15	DSA30/5609KS	DSA30/5619KS

NPN (negative switching)

Use the above mentioned part number changing the last number 9 with 8 (ie. DSA6,5/4608LKS)

