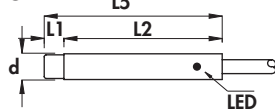


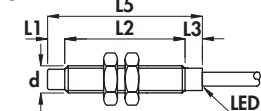
CYLINDRICAL INDUCTIVE SENSORS IN METAL HOUSING

- With extended temperature range (- 40° ÷ + 85°C) •
- Amplified in d.c. 3 and 4 wires •
- Cable output •

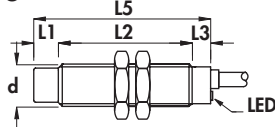
Housing A-3



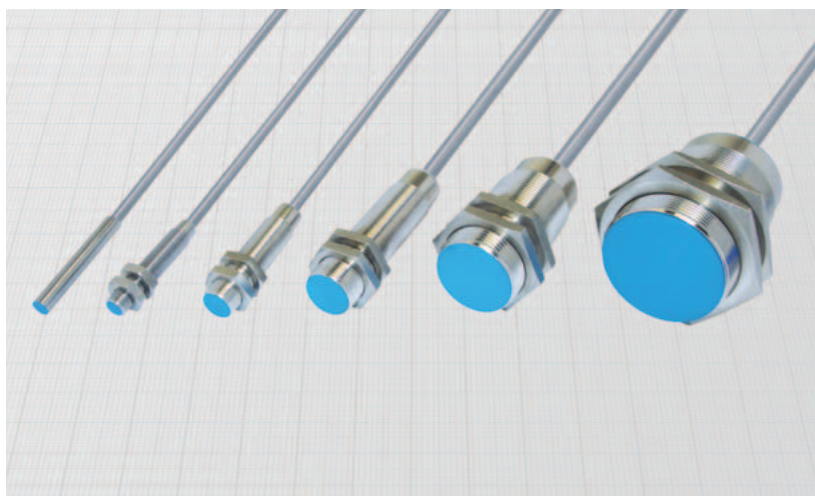
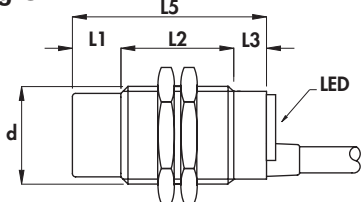
Housing B-6



Housing B-3



Housing G



Diameter		M8 x 1	M12 x 1	M18 x 1	M30 x 1,5	M45 x 1,5
Nut	Size	SW13	SW17	SW24	SW36	SW55
	Thkns mm	4	4	4	5	5
Max tightening torque Nm		10	15	35	80	70

Materials:

- Cable: 2 m thermoplastic 140°C; 300 V; O.R.
- Housing 6,5 and 8 mm: stainless steel
- Housing 12 ÷ 45 mm: nickel plated brass
- Sensing face: plastic

Technical data:

- Supply voltage (U_B): 10 ÷ 30 Vdc
- Max ripple: 10%
- No-load supply current (I_0): ≤ 10 mA
- Voltage drop (U_d): see ordering references
- Temperature range: - 40° ÷ + 85°C
- Max thermal drift of sensing distance S_r : ± 10%
- Repeat accuracy (R): 2%
- Switching hysteresis (H): 10%
- Degree of protection: IP67
- Switch status indicator: yellow LED
- Cable conductor cross section: 0,35 mm² on 6,5 - 8 - 12 mm
0,50 mm² on 18, 30 and 45 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	Flugh mounting Non flush mounting	L2	L3	L5	Cable diameter	Body diameter (d)	Voltage drop (U_d)	Max switching frequency (f)	Rated operational current (I_e)	Nominal sensing distance (S_n) ± 10%	ORDERING REFERENCES			
											PNP (positive switching)			
		mm	mm	mm	mm	mm	V	KHz	mA	mm	NO	NC	NO + NC	
A-3	•	45	-	45	4	6,5	1,5	4	150	1,5				
B-6	•	40	5	45	4	M8 x 1	1,5	4	150	1,5	DCA6,5/4609LKST	DCA6,5/4619LKST	-	
B-3	•	43	7	50	4	M12 x 1	1,5	2	150	2	DCA8/4609KST	DCA8/4619KST	-	
B-3	•	43	7	50	4	M12 x 1	1,5	2	150	2	DCA12/4609KST	DCA12/4619KST	-	
B-3	•	58	12	70	5	M18 x 1	2,2	1	250	5	DCA18/4609KST	DCA18/4619KST	DCA18/4629KST	
G	•	50	10	60	6	M30 x 1,5	2,2	0,8	250	10	DCA30/4609KST	DCA30/4619KST	DCA30/4629KST	
G	•	50	10	60	6	M45 x 1,5	2,2	0,15	250	20	DCA45/4609KST	DCA45/4619KST	DCA45/4629KST	
												NPN (negative switching)		
												Use the above mentioned part number changing the last number 9 with 8 (ie. DCA6,5/4608LKST)		
		mm	mm	mm	mm	mm	V	KHz	mA	mm				