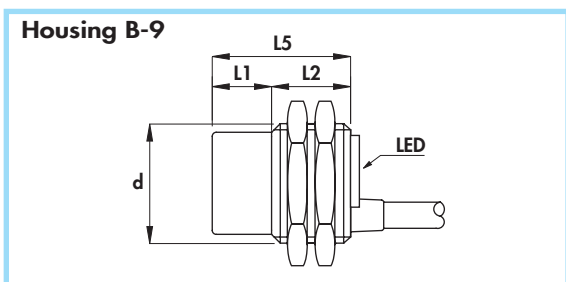
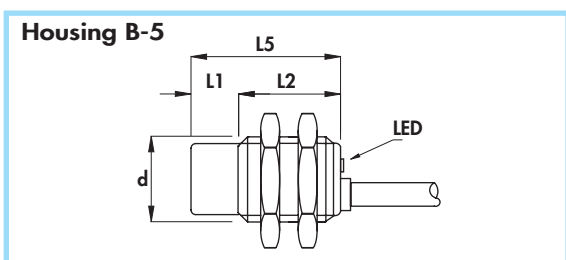
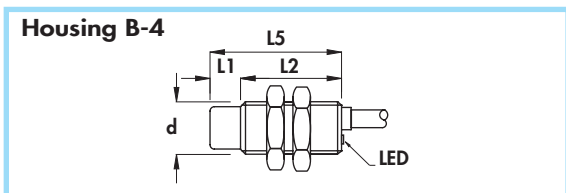
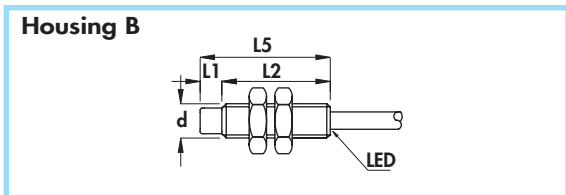


CYLINDRICAL INDUCTIVE ATEX SENSORS IN METAL HOUSING

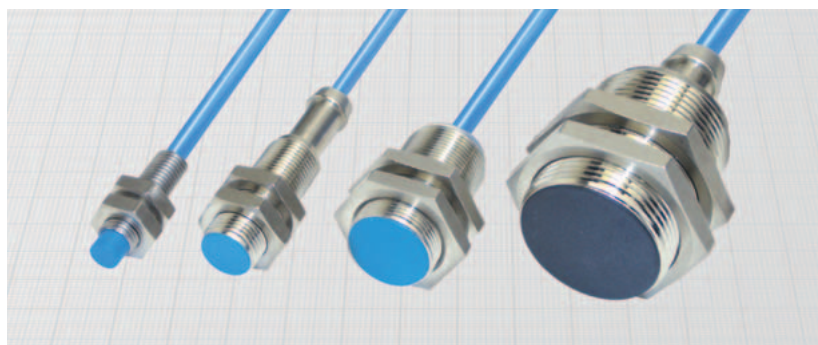
- **NAMUR SERIES with LED**
- **ATEX certified II 1GD for zone 0;20** 
- Cable output



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 8 mm: stainless steel
- Housing 12 - 18 - 30 mm: nickel plated brass
- Sensing face: plastic





General Features:

With this new series of sensors it's possible to drive specific inputs for NAMUR sensors or inputs for 2 wires amplified switches with low current (up to 10 mA). The load can be applied on both terminals (function PNP or NPN). The output is internally triggered and monitored by LED.

Technical data:

- Working voltage: 7,7 ÷ 9 Vdc
- Max ripple: 10%
- Off-state current (I_o): ≤ 1 mA
- Minimum operational current (I_m): 2 mA
- Rated operational current (I_o): 10 mA
- Voltage drop (U_d) at 10 mA: < 6,5 V
- Voltage drop (U_d) at 8 mA: < 5 V
- Temperature range: - 20° ÷ +60°C
- Max thermal drift of sensing distance S_p: ± 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 8 and 12 mm
0,75 mm² on 18 and 30 mm

- Marking:  II 1D IP67 T80°C
II 1G EEx ia IIC T6

- Certified CESI 03 ATEX 080
- Protected against short-circuit and overload (8mm not included)
- Protected against any wrong connection
- Electromagnetic compatibility (EMC) according to EN60947-5-2 
- According to: EN60947-5-6/EN50014/EN50020/EN50281-1-1/EN50284
- Shock and vibration resistance according to EN60068-2-27 EN60068-2-6

Safety parameters:

- V_i max: 13,5 V
- I_i max: 60 mA
- C_i max: 100 nF
- L_i max: 100 µH
- P_i max: 200 mW

Use in hazardous area according to instruction manuals

Housing	Flush mounting Non flush mounting	L1	L2	L3	L4	L5	Cable diameter	Body diameter (d)	Nominal sensing distance (S _n) ± 10%	Max switching frequency (f)	ORDERING REFERENCES	
											mm	mm
B	•	-	30	-	-	30	4	M8 x 1	1,5	3	DC8/4600SA	DC8/4610SA
B	•	5	25	-	-	30	4	M8 x 1	2,5	2	DC8/5600SA	DC8/5610SA
B-4	•	-	30	-	-	30	4	M12 x 1	2	2	DC12/4600KSA	DC12/4610KSA
B-4	•	7	23	-	-	30	4	M12 x 1	4	1	DC12/5600KSA	DC12/5610KSA
B-5	•	-	30	-	-	30	5	M18 x 1	5	0,8	DC18/4600KSA	DC18/4610KSA
B-5	•	10	20	-	-	30	5	M18 x 1	8	0,6	DC18/5600KSA	DC18/5610KSA
B-9	•	-	35	-	-	35	5	M30 x 1,5	10	0,8	DC30/4600KSA	DC30/4610KSA
B-9	•	15	20	-	-	35	5	M30 x 1,5	15	0,4	DC30/5600KSA	DC30/5610KSA