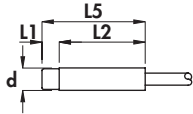


CYLINDRICAL INDUCTIVE ATEX SENSORS IN METAL HOUSING

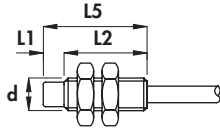


NAMUR SERIES diameters 4 - 5 - 6,5 - 8 - 12 mm •
ATEX certified II 1GD for zone 0;20 •
Cable output •

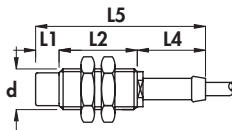
Housing A



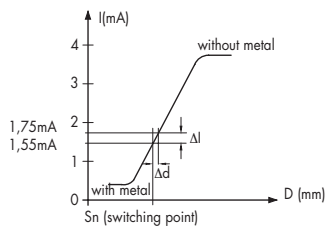
Housing B



Housing F



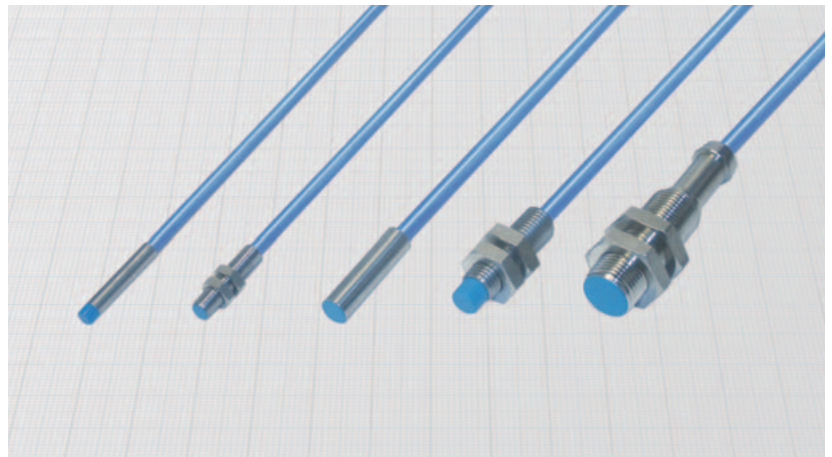
Typical curve



Diameter	M5 x 0,5	M8 x 1	M12 x 1
Nut	Size	SW7	SW13
	Thickness mm	2,5	4
Max tightening torque Nm	2	10	15

Materials:

- Cable: 2 m PVC CEI 20-22 II; 90°C; 300 V; O.R.
- Housing 4 - 5 - 6,5 - 8 mm diameter: stainless steel
- Housing 12 mm diameter: nickel plated brass
- Sensing face: plastic



Technical data:

- Supply voltage according to NAMUR: 7,7 ÷ 9 Vdc
- Max ripple: 10%
- Consumption at 8,2 V with $R_x = 1000$
 - with metal: ≤ 1 mA
 - without metal: ≥ 3 mA
- Temperature range: $-20^\circ \div +60^\circ\text{C}$
- Max thermal drift of sensing distance S_s : $\pm 10\%$
- Repeat accuracy (R): 2%
- Degree protection: IP67
- Cable conductor cross section: 0,14 mm² on 4 and 5 mm; 0,35 mm² on 6,5 ÷ 12 mm
- Marking: II 1D IP67 T80°C; II 1G EEx ia IIC T6
- Certified CESI 03 ATEX 080
- 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_s) $\pm 10\%$	Max switching frequency (f)	ORDERING REFERENCES
		mm	mm	mm	mm	mm					
A	•	-	20	-	-	20	3	4	0,8	5	DC4/4600LA
B	•	-	20	-	-	20	3	M5 x 0,5	0,8	5	DC5/4700A
A	•	-	25	-	-	25	4	6,5	1,5	5	DC6,5/4700LA
A	•	5	20	-	-	25	4	6,5	2,5	3	DC6,5/5700LA
A	•	-	25	-	-	25	4	8	1,5	5	DC8/4700LA
B	•	-	25	-	-	25	4	M8 x 1	1,5	5	DC8/4700A
B	•	5	20	-	-	25	4	M8 x 1	2,5	3	DC8/5700A
B	•	-	30	-	-	30	4	M12 x 1	2	5	DC12/4600A
F	•	-	30	-	20	50	4	M12 x 1	2	5	DC12/4700A
B	•	7	23	-	-	30	4	M12 x 1	4	1	DC12/5600A
F	•	7	23	-	20	50	4	M12 x 1	4	1	DC12/5700A

ORDERING REFERENCES

