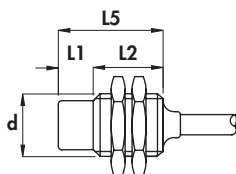


# CYLINDRICAL INDUCTIVE ATEX SENSORS IN METAL HOUSING

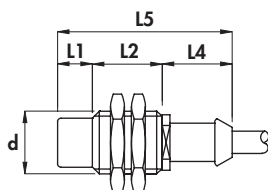
- **NAMUR SERIES** diameters 14 - 18 mm
- **ATEX certified II 1GD for zone 0;20**
- Cable output



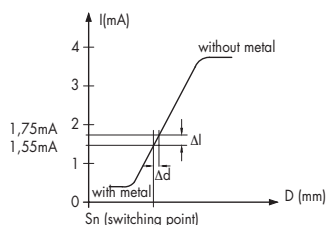
**Housing B-1**



**Housing F-1**



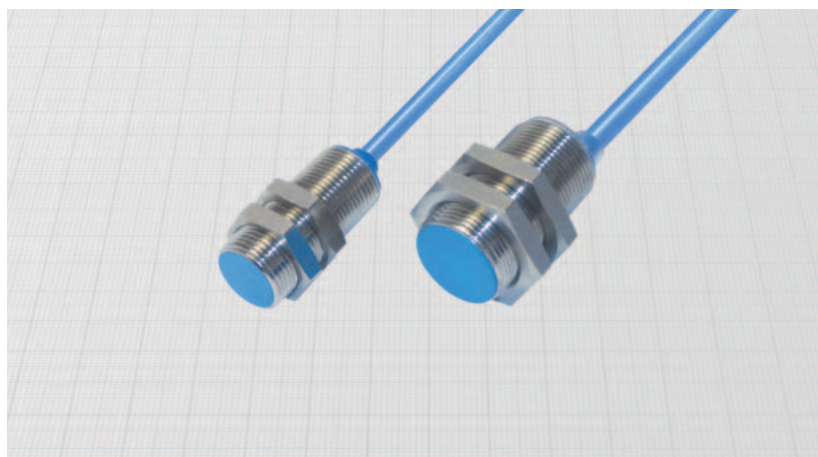
**Typical curve**



Diameter	M14 x 1	M18 x 1
Nut	Size	SW17
	Thickness mm	4
Max tightening torque Nm	20	35

**Materials:**

- Cable: 2 m PVC CEI 20-22 II; 90°C; 300 V;O.R.
- Housing: 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 Rx = 1000 Ω
  - with metal: ≤ 1 mA
  - without metal: ≥ 3 mA
- Temperature range: -20° ÷ +60°C
- Max thermal drift of sensing distance S<sub>p</sub>: ± 10%
- Repeat accuracy (R): 2%
- Degree of protection according to EN60529: IP67
- Cable conductor cross section: 0,35 mm<sup>2</sup> on 14 mm, 0,75 mm<sup>2</sup> on 18 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:**

- Vi max: 13,5 V
- Ii max: 60 mA
- Ci max: 100 nF
- Li max: 100 µH
- Pi 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 <sub>n</sub> ) ± 10%	Max switching frequency (f)	ORDERING REFERENCES
		mm	mm	mm	mm	mm					
B-1	•	-	30	-	-	30	4	M14 x 1	3	2	DC14/4700A DC14/5700A
B-1	•	10	30	-	-	40	4	M14 x 1	5	1	
B-1	•	-	30	-	-	30	5	M18 x 1	5	1	DC18/4600A DC18/4700A
F-1	•	-	30	-	20	50	5	M18 x 1	5	1	
B-1	•	10	20	-	-	30	5	M18 x 1	8	0,5	DC18/5600A DC18/5700A
F-1	•	10	20	-	20	50	5	M18 x 1	8	0,5	

