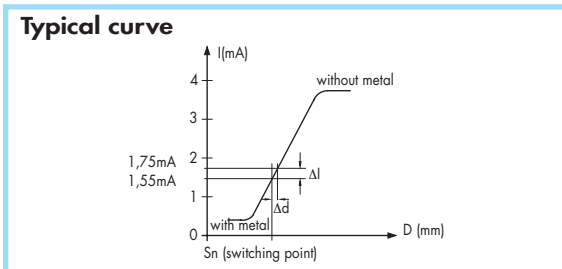
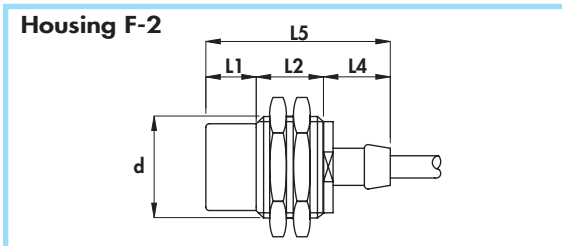
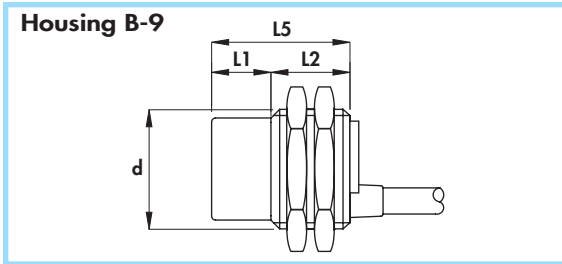


# CYLINDRICAL INDUCTIVE ATEX SENSORS IN METAL HOUSING



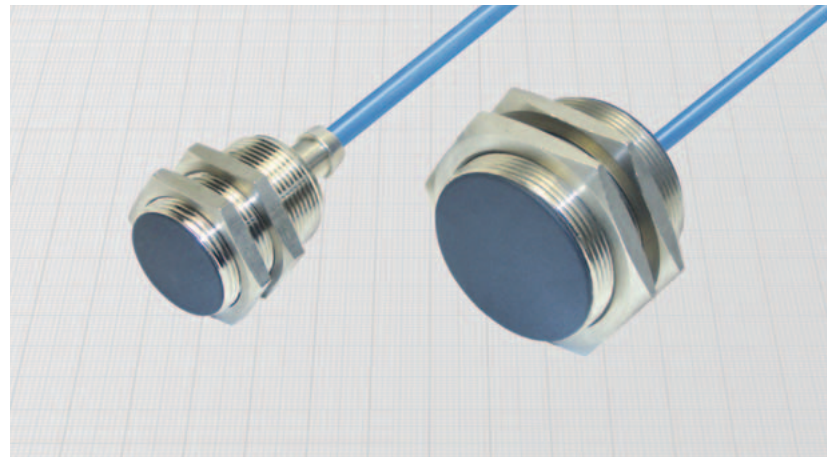
**NAMUR SERIES diameters 28 - 30 - 45 mm •**  
**ATEX certified II 1GD for zone 0;20 •**  
**Cable output •**



Diameter	M28 x 1,5	M30 x 1,5	M45 x 1,5
Nut	Size	SW32	SW36
	Thickness mm	4	5
Max tightening torque Nm	80	80	70

### 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>r</sub>: ± 10%
- Repeat accuracy (R): 2%
- Degree of protection according to EN60529: IP67
- Cable conductor cross section: 0,75 mm<sup>2</sup>
- 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<sub>i</sub> max: 13,5 V
- I<sub>i</sub> max: 60 mA
- C<sub>i</sub> max: 100 nF
- L<sub>i</sub> max: 100 μH
- P<sub>i</sub> max: 200 mW

**Use in hazardous area according to instruction manuals**

Housing	Mounting 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-9	•	-	35	-	-	35	5	M28 x 1,5	10	0,3	DC28/4700A DC28/5700A
B-9	•	10	25	-	-	35	5	M28 x 1,5	15	0,2	
B-9	•	-	35	-	-	35	5	M30 x 1,5	10	0,3	DC30/4600A DC30/4700A DC30/5600A DC30/5700A
F-2	•	-	35	-	20	55	5	M30 x 1,5	10	0,3	
B-9	•	15	20	-	-	35	5	M30 x 1,5	15	0,2	DC30/5600A DC30/5700A
F-2	•	15	20	-	20	55	5	M30 x 1,5	15	0,2	
B-9	•	-	35	-	-	35	5	M45 x 1,5	20	0,3	DC45/4700A