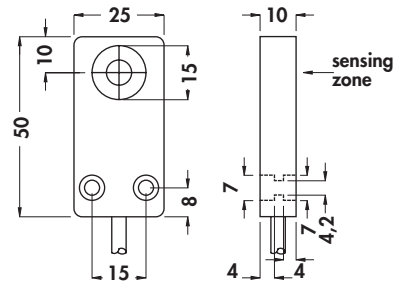
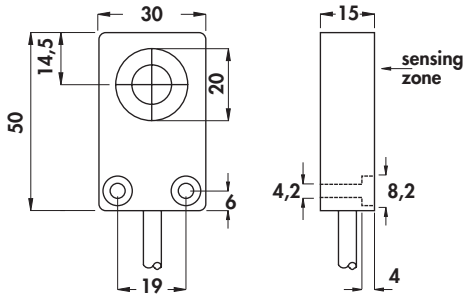
NAMUR SERIES - X and Y Type • ATEX certified II 1GD for zone 0;20 • Cable output •

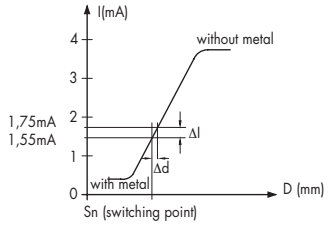
Housing N



Housing N-2

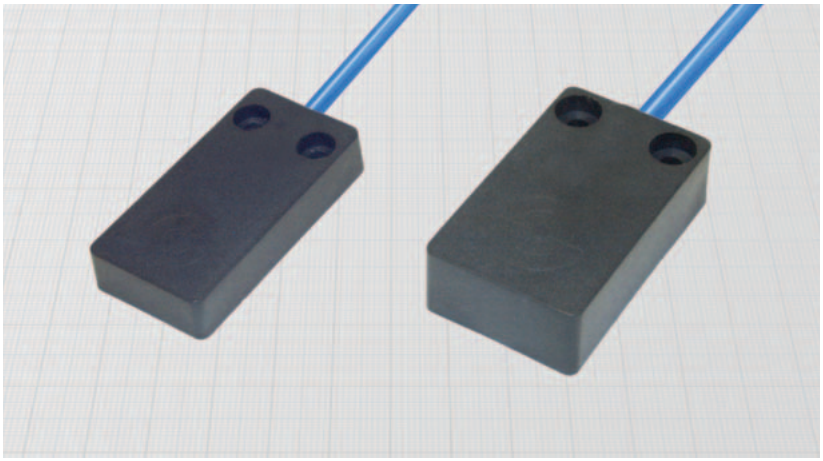


Typical curve



Materials:

- Cable: 2 m PVC CEI 20 - 22 II; 90°C; 300 V; O.R.
- Housing: plastic



General Features:

This series of sensors is ideal for limited space applications. The particular material of the housing allows the use without additional protections against electrostatic charges.

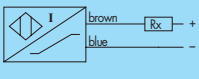
Technical data:

- 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_r: ± 10%
- Repeat accuracy (R): 2%
- Degree of protection according to EN60529: IP67
- Cable conductor cross section: 0,35 mm²
- Marking: Ⓔx II 1D IP67 T80°C
  II 1G EEx ia IIC T6
- Certified CESI 03 ATEX 080
- Electromagnetic compatibility (EMC) according to EN60947-5-2 CE
- 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	Cable diameter	Sensing zone diameter	Nominal sensing distance (S_n) ±10%	Max switching frequency (f)	ORDERING REFERENCES
		mm	mm	mm	KHz	
N	•	4	15	5	2	**DCX/4700A**
N	•	4	15	8	1	**DCX/5700A**
N-2	•	4	23	10	0,8	**DCY/4700A**
N-2	•	4	23	15	0,4	**DCY/5700A**