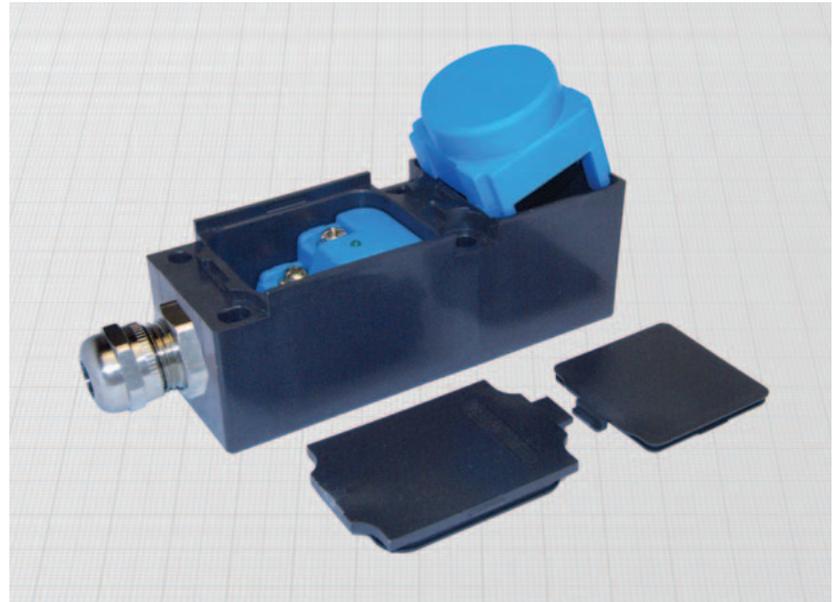
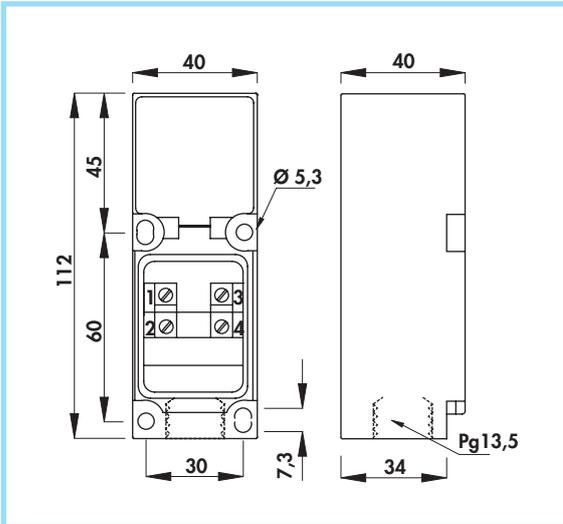
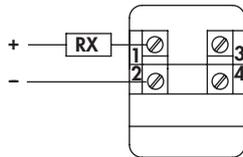


RECTANGULAR INDUCTIVE ATEX SENSORS

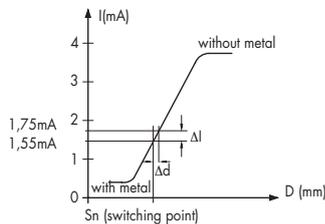
- **NAMUR SERIES - Type P - 5 Positions head**
- **ATEX certified II 1G for zone 0**
- Terminal block output



Connecting diagram



Typical curve



Materials:

- Gland: nickel plated brass
- Housing: plastic

General Features:

These sensors are described as "revolving head" because the actual sensor head, inside the plastic body, can be arranged in 5 different positions. To choose the desired direction it is sufficient to remove the cover, remove the head and positioning it according to the user's particular requirements. The internal terminal block can be reached easily by removing the front cover. The particular plastic material allows the use without additional protections against electrostatic charges.

Technical data:

- Supply voltage according to NAMUR: $7,7 \div 9$ Vdc
- Max ripple: 10%
- Consumption at 8,2 V with $R_x = 1000 \Omega$
 - with metal: ≤ 1 mA
 - without metal: ≥ 3 mA
- Temperature range: $-20^\circ \div +60^\circ\text{C}$
- Max thermal drift of sensing distance S_n : $\pm 10\%$
- Repeat accuracy (R): 2%
- Degree of protection according to EN60529 (with fully locked gland): IP65
- Marking: Ex II 1G EEx ia IIC T6
- Certified CESI 03 ATEX 080
- According to: EN60947-5-6/EN50014/EN50020/EN50284
- Electromagnetic compatibility (EMC) according to EN60947-5-2
- 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

Flush mounting Non flush mounting	Revolving head diameter	Nominal sensing distance (S_n) $\pm 10\%$	Max switching frequency (f)	ORDERING REFERENCES
	mm	mm	KHz	
•	35	15	0,2	DCP/4700A
•	35	20	0,2	DCP/5700A

