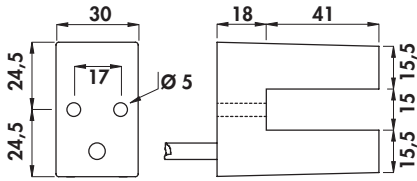


INDUCTIVE ATEX SLOT SENSORS

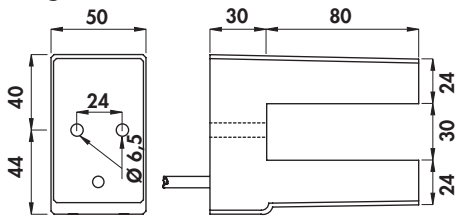
- NAMUR SERIES
- ATEX certified II 1GD for zone 0;20
- Cable output



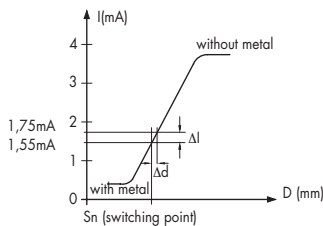
Housing T



Housing V

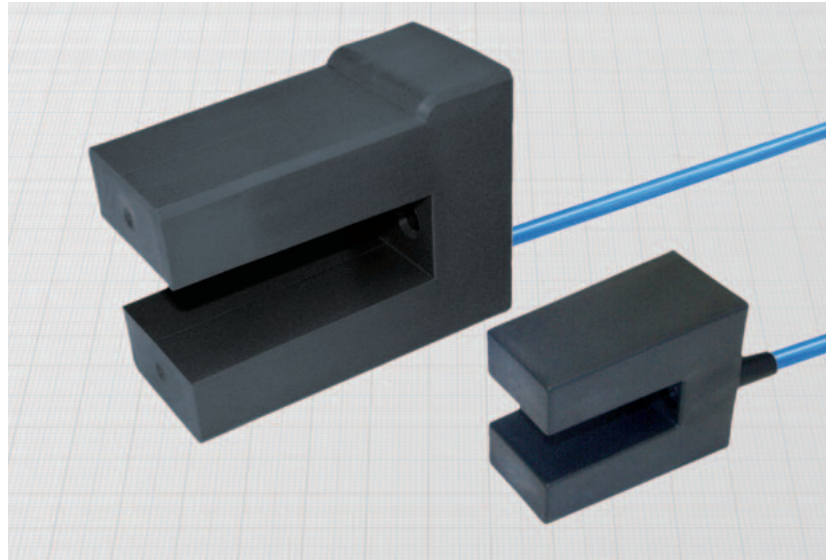


Typical curve



Materials:

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



General Features:

These sensors are able to detect the presence of a metal blade into the slot. The switching point of the output happens when about the 70% of internal faces is covered by the blade. The special material of the housing 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_s : $\pm 10\%$
- Repeat accuracy (R): 2%
- Degree of protection according to EN60529: IP67
- Cable conductor cross section: $0,75 \text{ mm}^2$
- 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	Cable diameter mm	Gap width mm	Max switching frequency (f) KHz	Minimum penetration mm	ORDERING REFERENCES
T	5	15	0,8	16	DF15/4600A
V	5	30	0,3	30	DF30/4600A