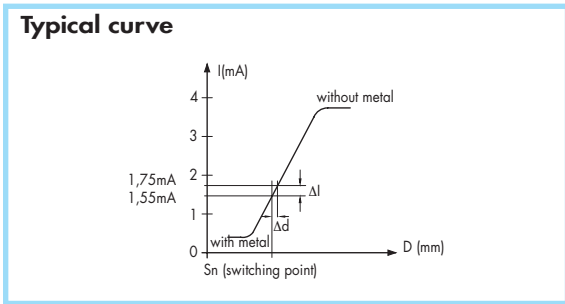
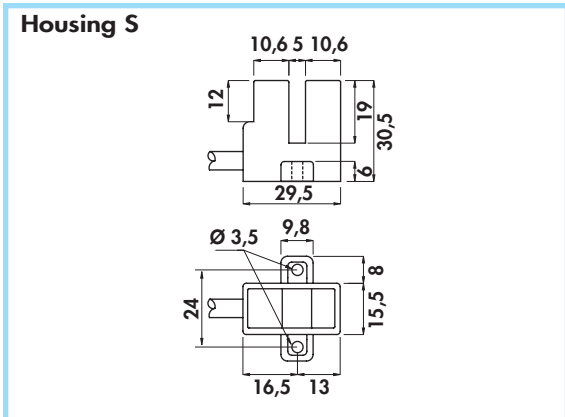
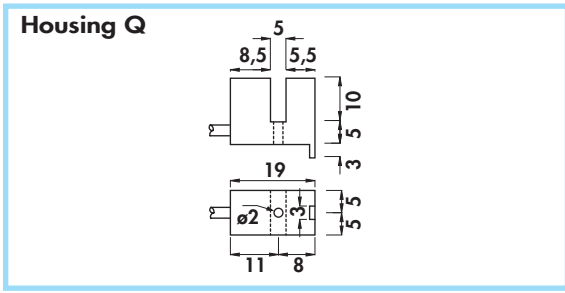
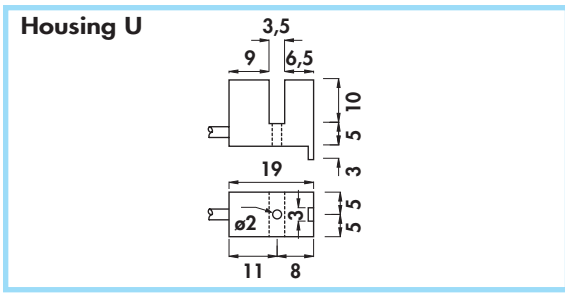
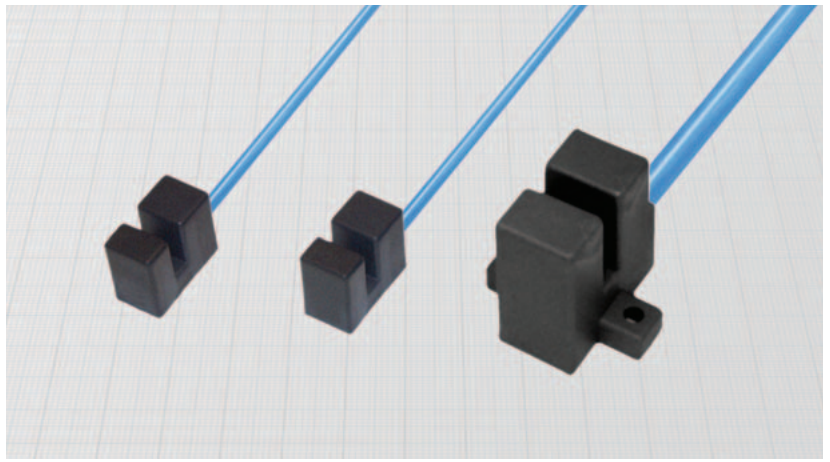




NAMUR SERIES •
ATEX certified II 1GD for zone 0;20 •
Cable output •



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 ÷ 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_i: ± 10%
- Repeat accuracy (R): 2%
- Degree of protection according to EN60529: IP67
- Cable conductor cross section: 0,14 mm² on DF3,5/.... and DF5/....
0,75 mm² on DF6/....
- 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	Gap width	Max switching frequency (f)	Minimum penetration	ORDERING REFERENCES
					mm
U	3	3,5	3	5	DF3,5/4600A
Q	3	5	3	5	DF5/4600A
S	5	5	1	9	DF6/4600A