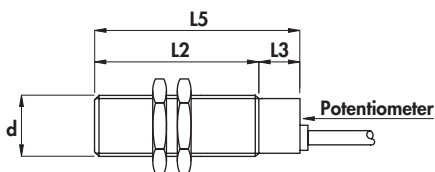


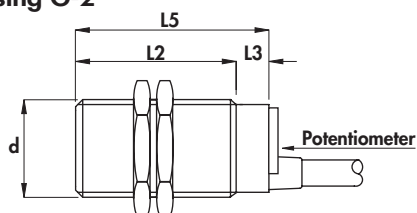


NAMUR SERIES •
ATEX certified II 1GD for zone 0;20 •
Cable output •

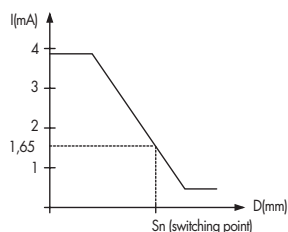
Housing C-1



Housing G-2



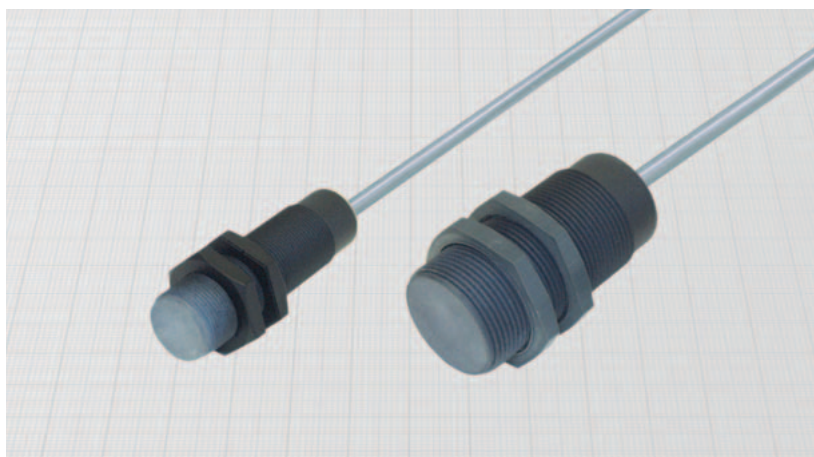
Typical curve



Diameter	M18 x 1	M30 x 1,5
Nut	Size	SW24
	Thickness mm	4
Max tightening torque Nm	5	20

Materials:

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



General Features:

The capacitive sensors are used for detecting any material. Some materials, especially if liquid or metallic, can be detected also through plastic or glass walls. They can be used for various applications: level control in storage bins or tanks; survey filling bottles; rain sensor; anti-vandalism tab; etc. The adjustment of sensing distance is made by a potentiometer at the back of the housing.

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: ≥ 3 mA
 - without metal: ≤ 1 mA
- Temperature range: -20° ÷ +60°C
- Max thermal drift of sensing distance S_r: ± 20%
- Repeat accuracy (R): 4%
- Degree of protection: IP65
- Cable conductor cross section: 0,75 mm²
- 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
- 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

Reduction factor of the sensing distance for different target materials (T amb = 25°C)						
Steel	Glass	PVC	Cloth	Paper	Wood	Water
1	0,5	0,5	0,15	0,1	0,25	1

Housing	Flush mounting Non flush mounting	L1	L2	L3	L4	L5	Cable diameter	Body diameter (d)	Nominal sensing distance (S _n) ±10% (trimmable)	Max switching frequency (f)	ORDERING REFERENCES
		mm	mm	mm	mm	mm					
C - 1	•	-	50	10	-	60	5	M18 x 1	2 ÷ 5	100	NKS18P/4600A
G - 2	•	-	50	10	-	60	5	M30 x 1,5	4 ÷ 10	100	NKS30P/4600A

