



# NAMUR INDUCTIVE SENSORS

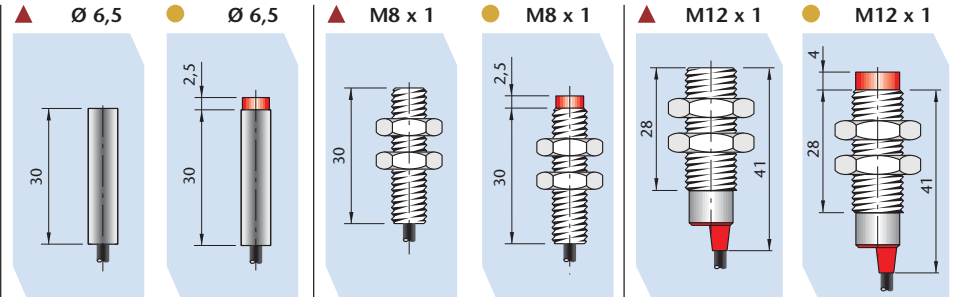


CYLINDRICAL HOUSING Ø 6.5 - M8-M12-M14-M18-M30  
2 WIRES D.C. - VERSION N

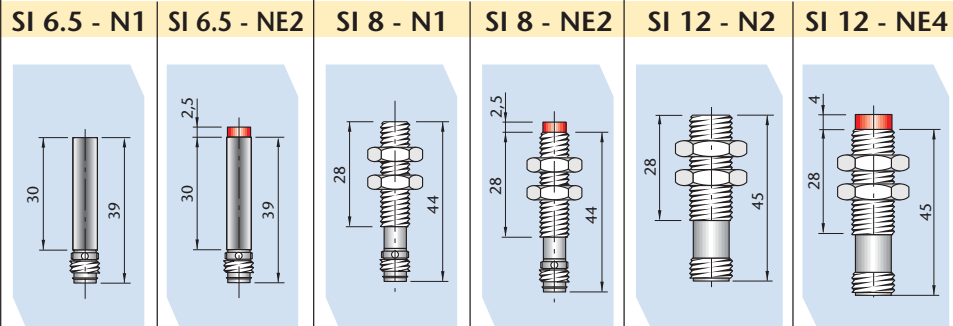
- ▲ **EMBEDDABLE** (FLUSH MOUNTING)
- **NOT EMBEDDABLE** (NON FLUSH MOUNTING)

## TECHNICAL CHARACTERISTICS

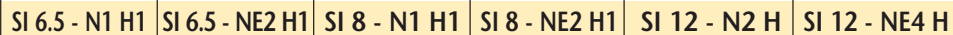
Dimensions mm



### MODELS WITH CABLE



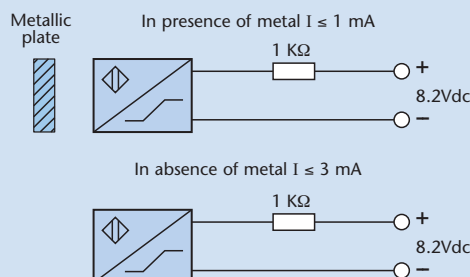
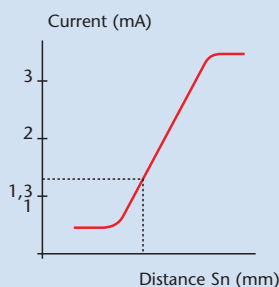
### MODELS WITH CONNECTOR



Switching distance (Sn)	mm	1	2	1	2	2	4
Continuous voltage (residual ripple ≤10%)	V	8,2 ("5 ÷ 30" see note 1)					
Absorption current at 8.2V	mA	In presence of metal ≤ 1 mA - In absence of metal ≥ 3 mA					
Switching frequency	Hz	2000		2000		2000	
Repeatability	% of Sn	≤ 3					
Temperature limits	°C	-25 ÷ +70					
Degree of protection	IP	67 (With H1 - H depending on connector)					
Housing		Nickelled brass					
Cable PUR blue	2 m	2 x 0.25 mm²		2 x 0.25 mm²		2 x 0.25 mm²	
Connector plug		H1		H1		H	

NAMUR DIN 19234 - EEx ia IIC T4 - NAMUR DIN 19234 - EEx ia IIC T4 - NAMUR DIN 19234 - EEx ia IIC T4 - NAMUR DIN 19234 - EEx ia IIC T4 -

## WORKING PRINCIPLE



The NAMUR sensors are electronic devices whose absorbed current varies in the presence of a metallic object. The difference between these sensors and traditional sensors is the absence of amplifier trigger stages.

Note 1: In applications outside security conditions the sensors can be used in the 5-30Vdc range.