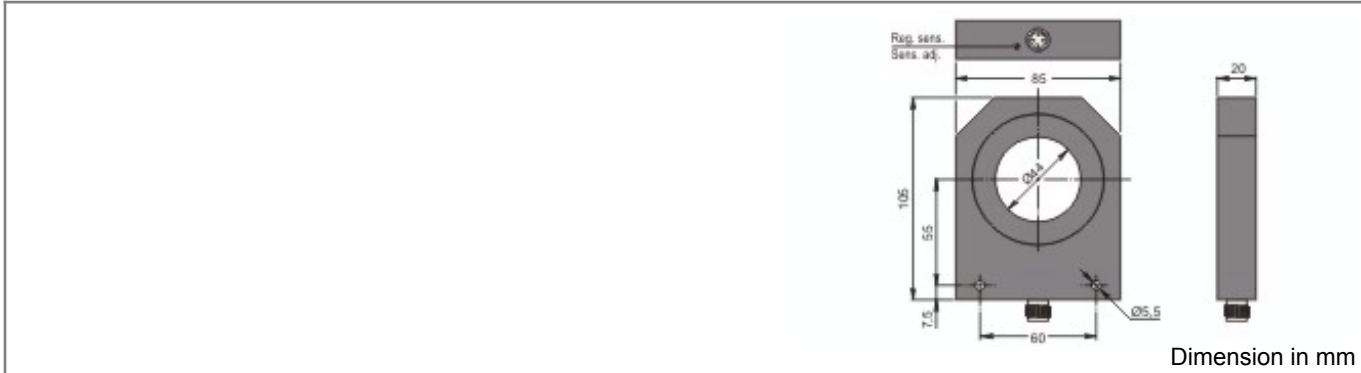




**Part number: SIA000102 - Model: SIA44-NE H**



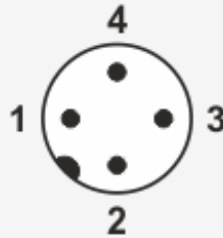
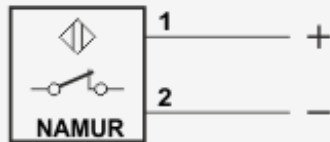
<b>TECHNICAL CHARACTERISTICS</b>	
Power supply:	Direct current
Working voltage:	5 ÷ 30 Vdc
Sensing hole diameter (mm):	44
Minimum detectable object (mm):	Ø 5 x 9
Max switching frequency:	250 ÷ 600 Hz
Repeatability (%Sn):	< = 0.3
Absorption:	On < = 1 mA - Off > = 3 mA @ 8.2V
Temperature limits:	-20 ÷ +60 °C
IP rating:	Depending on connector
Housing material:	Plastic
Mechanical characteristics:	SIA44 85x105x20
Connection type:	H plug
Weigth:	210 g



Part number: SIA000102 - Model: SIA44-NE H

WIRING DIAGRAM

CONNECTION WITH H PLUG

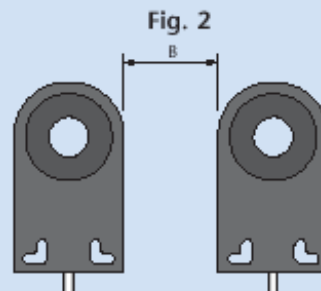
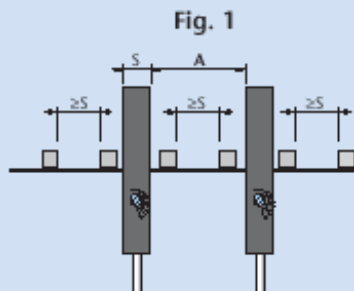


VIEW OF MALE CONNECTOR

1 = Brown / +  
2 = Blue / -

INSTRUCTIONS FOR CORRECT INSTALLATION

INSTRUCTIONS FOR CORRECT INSTALLATION



Model	SIA05	SIA12	SIA15	SIA22	SIA30	SIA44	SIA63	SIA100
A (Fig. 1) mm	25	30	30	60	60	300	300	600
B (Fig. 2) mm	10	10	10	20	20	250	250	650

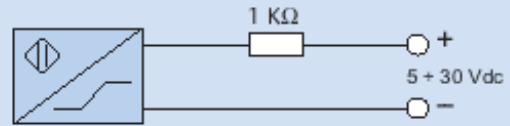
## WORKING PRINCIPLE



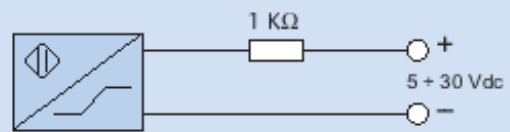
Metallic plate



In presence of metal  $I \leq 1 \text{ mA @ } 8.2 \text{ V}$



In absence of metal  $I \geq 3 \text{ mA @ } 8.2 \text{ V}$



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.