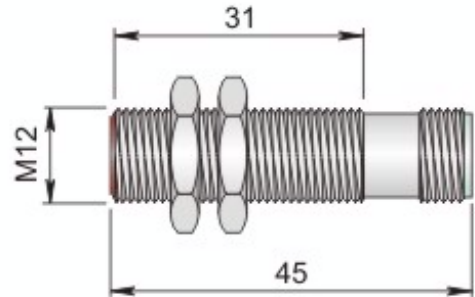




Part number: I12000156 - Model: SI12-N2 H



Dimension in mm

TECHNICAL CHARACTERISTICS

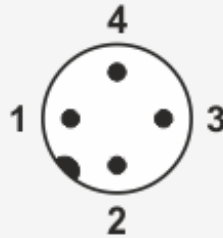
Power supply:	Direct current
Working voltage:	5 ÷ 30 Vdc
Switching distance (mm):	2
Max switching frequency:	2000 Hz
Repeatability (%Sn):	< = 3
Absorption:	On < = 1 mA - Off >= 3 mA @ 8.2V
Temperature limits:	-25 ÷ +70 °C
IP rating:	Depending on connector
Housing material:	Nickelled brass
Mechanical characteristics:	M12x1
Connection type:	H plug
Weigth:	30 g



Part number: I12000156 - Model: SI12-N2 H

WIRING DIAGRAM

CONNECTION WITH H PLUG



VIEW OF MALE CONNECTOR

1 = Brown / +
2 = Blue / -

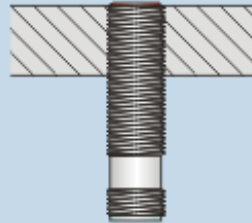
INSTRUCTIONS FOR CORRECT INSTALLATION

INSTRUCTIONS FOR CORRECT INSTALLATION

EMBEDDABLE

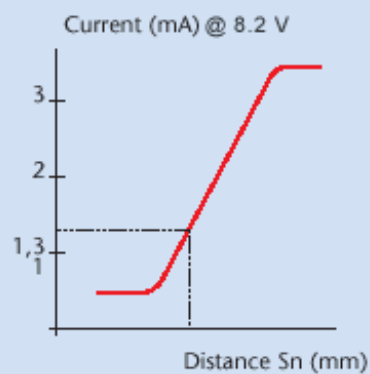


Side by side mounting



Flush mounting

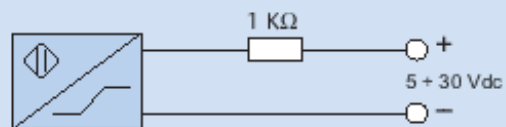
WORKING PRINCIPLE



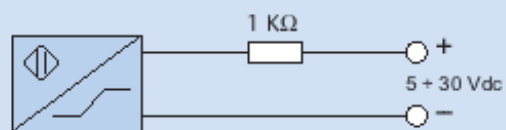
Metallic plate



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.