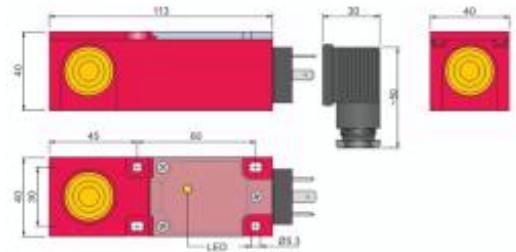




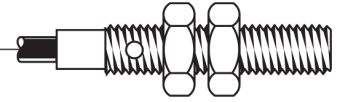
Part number: YIP000096 - Model: SIP40-NE20 K AGD2



Dimension in mm

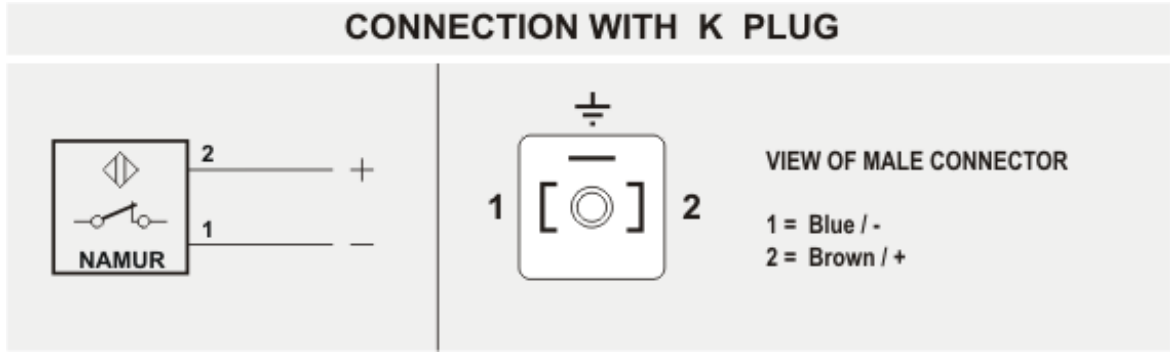
TECHNICAL CHARACTERISTICS

Power supply:	Direct current
Working voltage:	8.2 Vdc (1Kohm)
Switching distance (mm):	20
Output type:	Namur
Hysteresis (%Sn):	1 ÷ 10
Max. switching frequency:	500 Hz
Repeatability (%Sn):	< = 3
Current absorption at 8.2V:	Target detected < = 1 mA - Target not detected >= 3 mA
Led indicator:	Present
Operating temperature limits:	-25 ÷ +60 °C
Storage temperature limits:	-30 ÷ +70 °C
IP rating:	IP 67
Housing material:	Plastic
Weight:	220 g
Mechanical characteristics:	SIP 40x40x114
Connection type:	K plug
Explosive atmosphere type:	Mixture Air/gas and/or Air/Dust
Equipment category:	2G / 2D
Installation area:	Gas: Zone 1 and Zone 2 - Dust: Zone 21 and Zone22
Protection method:	Intrinsically safe
Marking:	Gas: II 2G Ex ia IIB T5 Gb - Dust: II 2D Ex ia IIIC T100°C Db IP67 -25< Ta
Safety information:	Connection to certified intrinsically safe circuits only with the following values : Uo < = 17 V ,
Conforming standard:	EN60079-0, EN60079-11, EN60079-26 and EN60947-5-6
EC-tipe examination certificate - ATEX:	IMQ 13 ATEX 019
Certificate of conformity (CoC) - IECEx:	IECEX IMQ 13.0012X



Part number: YIP000096 - Model: SIP40-NE20 K AGD2

WIRING DIAGRAM



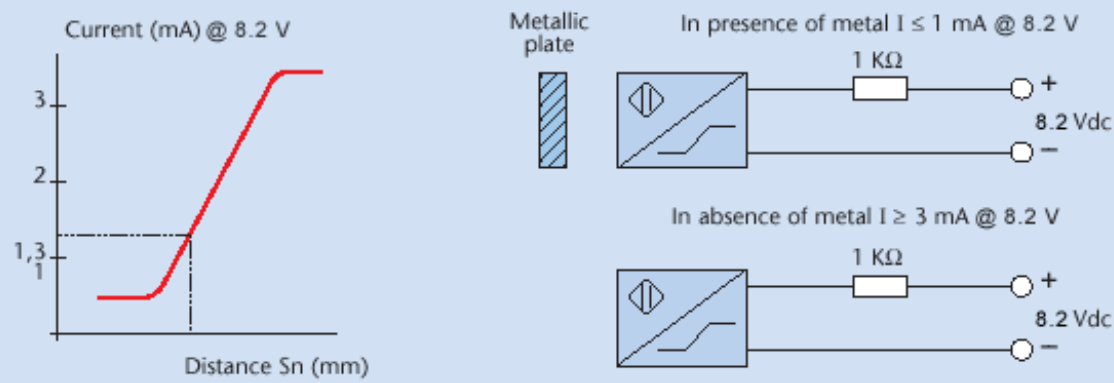
INSTRUCTIONS FOR CORRECT INSTALLATION

NORME PER INSTALLAZIONE / INSTRUCTIONS FOR INSTALLATION

Dimensions in mm	A	B	b	C	D
SIP 40 ▲	≥ 30	≥ 6	≥ 0	≥ 0	≥ 0
SIP 40 ●	≥ 50	≥ 40	≥ 15	≥ 10	≥ 15

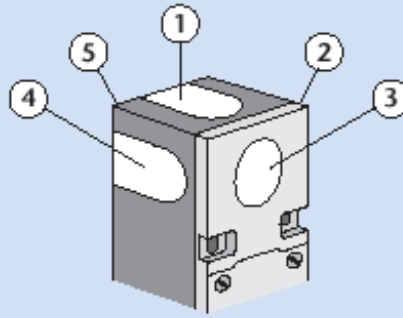
• Gli esempi di installazione sono riferiti alla superficie attiva contrassegnata in giallo.
• The installation example makes reference to the areas marked yellow.

WORKING PRINCIPLE



The NAMUR EX 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.

ADJUSTABLE SENSITIVITY SIP 40



NOTE: In the SIP 40 sensor the oscillator is contained in a module which clips into the body whose surface can then be sensitive on five different positions. The surface chosen can be identified by applying the circular adhesive label.