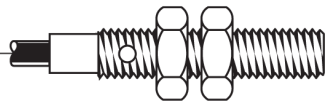
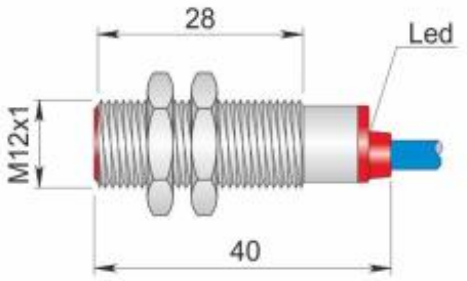
MORE THAN SENSORS



Part number: Y12000043 - Model: SI12-N2 AGD1



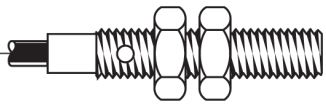
Dimension in mm

TECHNICAL CHARACTERISTICS

Power supply:	Direct current
Working voltage:	8.2 Vdc (1Kohm)
Switching distance (mm):	2
Output type:	Namur
Hysteresis (%Sn):	1 ÷ 10
Max. switching frequency:	2000 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:	Nickelled brass
Cable type:	2x0.25 mm² PVC
Weight:	70 g
Mechanical characteristics:	M12x1
Connection type:	Cable 3 m
Explosive atmosphere type:	Mixture Air/gas and/or Air/Dust
Equipment category:	1G / 1D
Installation area:	Gas: Zone 0, Zone 1 and Zone 2 - Dust: Zone 20, Zone 21 and Zone22
Protection method:	Intrinsically safe
Marking:	Gas: II 1G Ex ia IIC T6 Ga - Dust: II 1D Ex ia IIIC T85°C Da -25< Ta
Safety information:	Connection to certified intrinsically safe circuits only with the following values : Uo < = 17 V
Conforming standard:	EN60079-0, EN60079-11 and EN60947-5-10
EC-tipe examination certificate - ATEX:	IMQ 13 ATEX 019
Certificate of conformity (CoC) - IECEx:	IECEx IMQ 13.0012

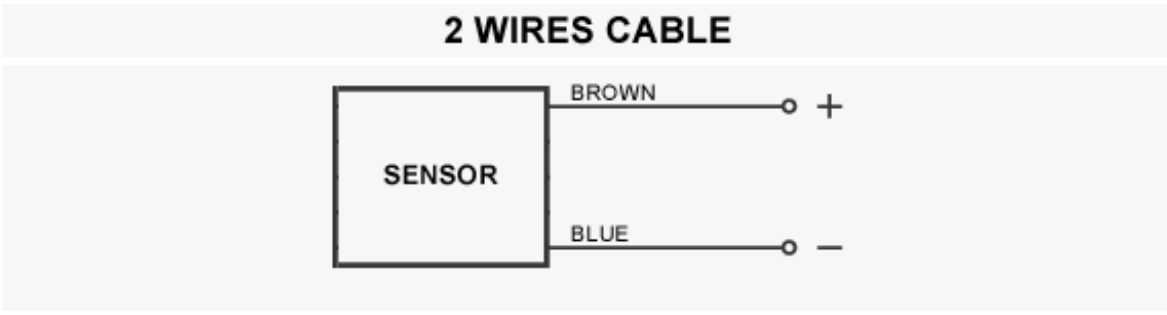
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MORE THAN SENSORS

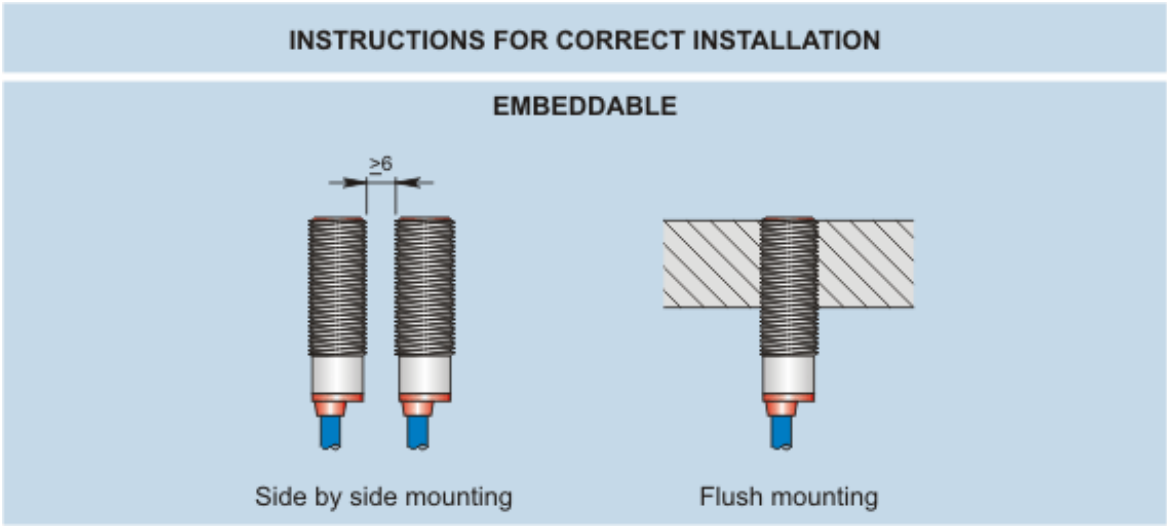


Part number: Y12000043 - Model: SI12-N2 AGD1

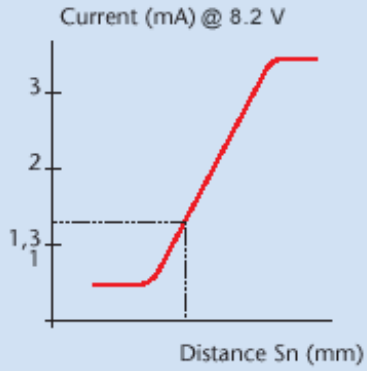
WIRING DIAGRAM

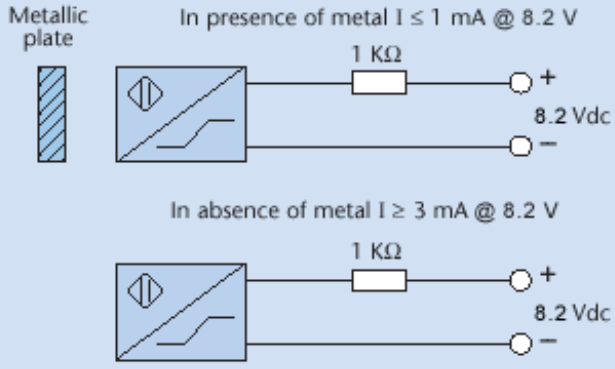


INSTRUCTIONS FOR CORRECT INSTALLATION



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.

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