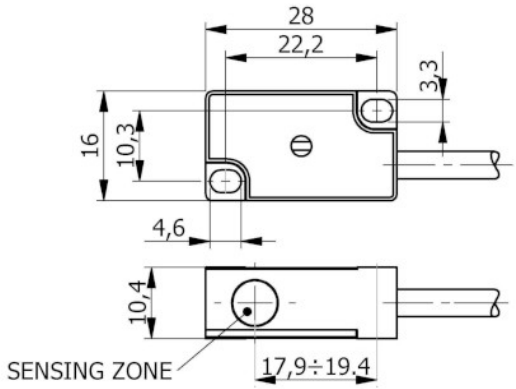
POSITION SENSORS
Inductive Sensors

Part number: **SIP000286** Model: **SIP10-N2 LC10**



Dimension in mm

1. TECHNICAL CHARACTERISTICS

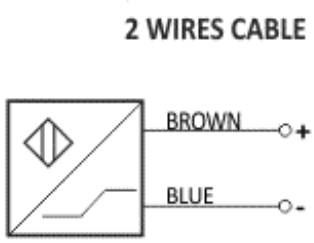
Electrical data		
Power supply type:		Direct current
Working voltage:	[V]	5 ÷ 30
Current consumption:	[mA]	On < = 1 mA - Off >= 3 mA @ 8.2V
Protection class:		III
Reverse polarity protection:		Presente
Outputs		
Electrical design:		Namur
Max switching frequency:	[Hz]	1000
Detection zone		
Switching distance-Sn:	[mm]	2
Real sensing distance-Sr:	[mm]	2 ±10%
Operative distance-So:	[mm]	0 ÷ 1.62
Accuracy and Deviations		
Correction factor:		Stainless steel: 0.9 - Brass: 0.5 - Aluminium: 0.4 - Copper: 0.4
Switching point drift:	[%Sr]	-1
Repeatability:	[%Sn]	< 3
Environmental conditions		
Temperature limits:	[°C]	-25/+70
IP rating:		IP65-IP66-IP67
Mechanical data		
Housing:		Parallelepiped
Dimensions:	[mm]	10.5 x 28 x 16
Materials:		Housing: PA66+Fiberglass - Sensing area: POM red
Mounting:		Embeddable
Weigth:	[g]	230

Electrical connection	
Cable:	10 m - PVC/PVC - 2 x 0.25 mm²

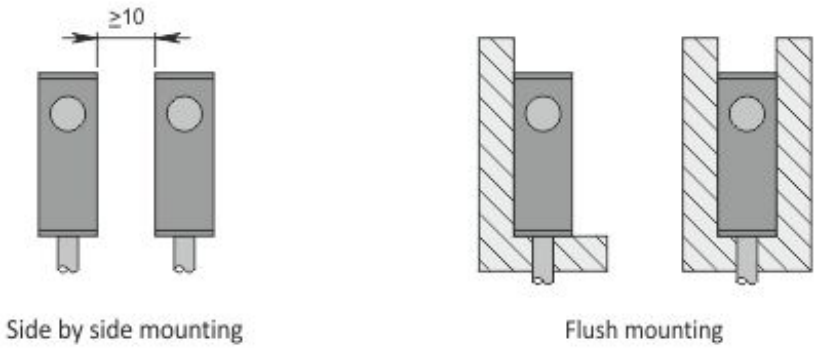
Compliance to Standards / Directives	
Directives compliance:	2014/30/EU -Electromagnetic compatibility directive (EMC)
Standards compliance:	EN60947-5-6 - Product standard

2. NORME DI INSTALLAZIONE

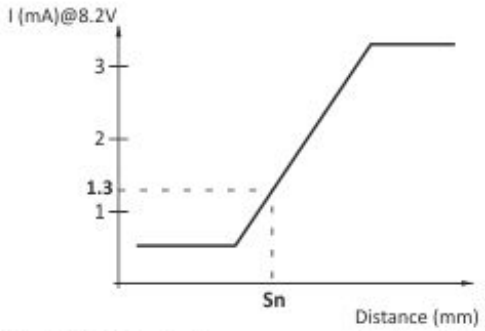
WIRING DIAGRAM



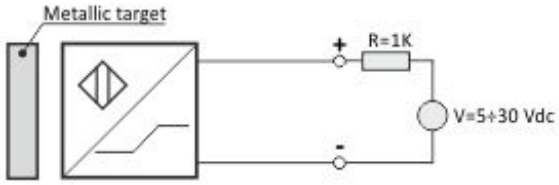
INSTRUCTIONS FOR CORRECT INSTALLATION



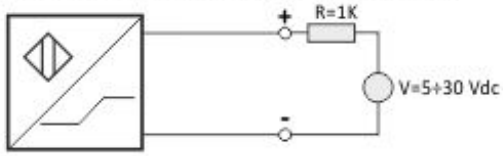
Titolo img 1



The NAMUR inductive sensors are electronic devices whose absorbed current varies in the presence of a metallic target.



In presence of metallic target I≤ 1mA@8.2V



In absence of metallic target I≥ 3mA@8.2V