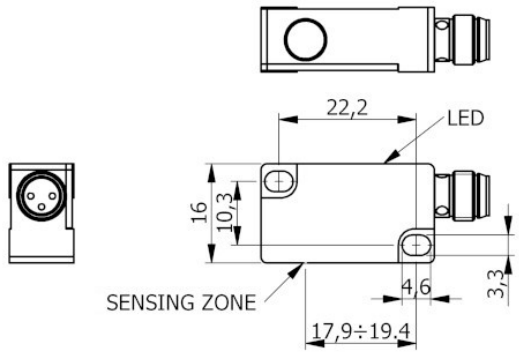
POSITION SENSORS
Inductive Sensors

Part number: **SIP000077** Model: **SIP10-C2 PNP NO H1**



Dimension in mm

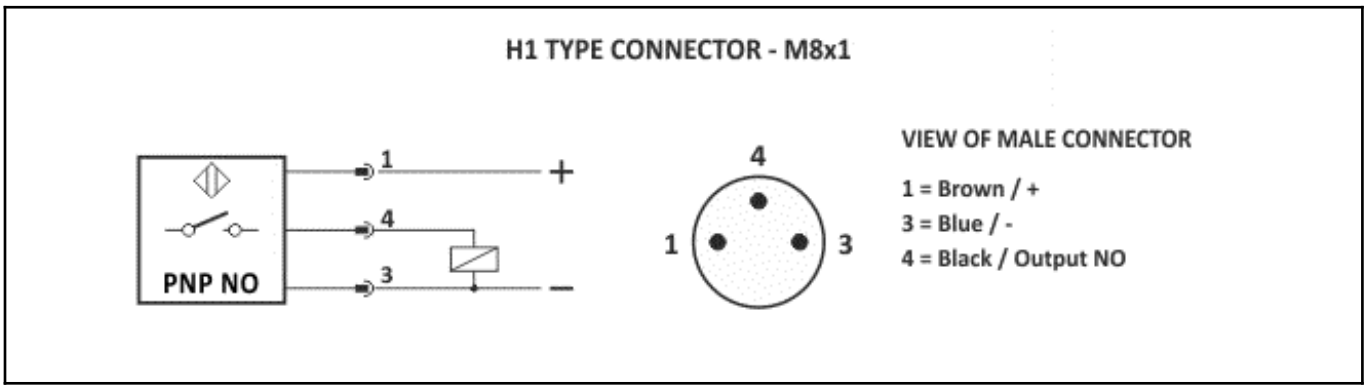
1. TECHNICAL CHARACTERISTICS

Electrical data		
Power supply type:		Direct current
Working voltage:	[V]	6 ÷ 30
Current consumption:	[mA]	< 12 mA @ 24Vdc
Protection class:		III
Reverse polarity protection:		Presente
Outputs		
Electrical design:		PNP
Function:		NO
Max voltage drop:	[V]	< 1.8
Max output current:	[mA]	200
Max switching frequency:	[Hz]	1000
Short circuit protection:		Present
Overload protection:		Present
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
Hysteresis:	[%Sr]	< 10
Switching point drift:	[%Sr]	-1
Repeatability:	[%Sn]	< 3
Environmental conditions		
Temperature limits:	[°C]	-25°C ÷ +70°C
IP rating:		IP65-IP66-IP67 (depending on connector)

Display and control elements		
Display:		Output switching status - 4 x 90° LED: Yellow
Mechanical data		
Housing:		Parallelepiped
Dimensions:	[mm]	10.5 x 28 x 16
Materials:		Housing: PA66+Fiberglass - Sensing area: POM red
Mounting:		Embeddable
Weigth:	[g]	20
Electrical connection		
Connector:		H1 type - M8X1 - gold plated contacts
Compliance to Standards / Directives		
Directives compliance:		2014/30/EU -Electromagnetic compatibility directive (EMC)
Standards compliance:		EN60947-5-2 - Product standard

2. NORME DI INSTALLAZIONE

WIRING DIAGRAM



INSTRUCTIONS FOR CORRECT INSTALLATION

