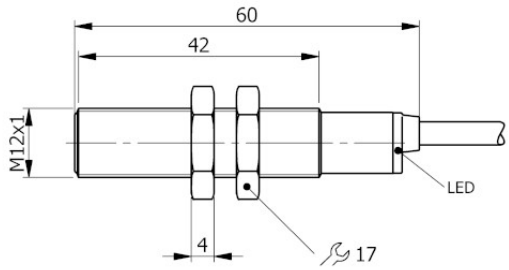
POSITION SENSORS
Inductive Sensors

Part number: **I12000507** Model: **SI12-DC4 NPN NC**



Dimension in mm

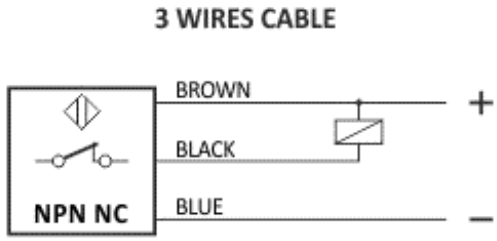
1. TECHNICAL CHARACTERISTICS

Electrical data		
Power supply type:		Direct current
Working voltage:	[V]	10 ÷ 30
Current consumption:	[mA]	< 15 mA @ 24Vdc
Protection class:		III
Reverse polarity protection:		Presente
Outputs		
Electrical design:		NPN
Function:		NC
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]	4
Real sensing distance-Sr:	[mm]	4 ±10%
Operative distance-So:	[mm]	0 ÷ 3.24
Extended sensing distance:		Si
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 ÷ +85°C
IP rating:		IP65-IP66-IP67

Display and control elements		
Display:		Output switching status - 1 x LED: Yellow
Mechanical data		
Housing:		Threded type
Thread designation:		M12x1
Dimensions:	[mm]	M12x1 - L=61
Materials:		Housing: Nickel-plated brass - Sensing area: POM grey - Lock nuts: Nickel-plated brass
Mounting:		Embeddable
Weigth:	[g]	80
Electrical connection		
Cable:		2 m - PVC/PVC - 3 x 0.25 mm²
Compliance to Standards / Directives		
Directives compliance:		2014/30/EU -Electromagnetic compatibility directive (EMC)
Standards compliance:		EN60947-5-2 - Product standard

2. NORME DI INSTALLAZIONE

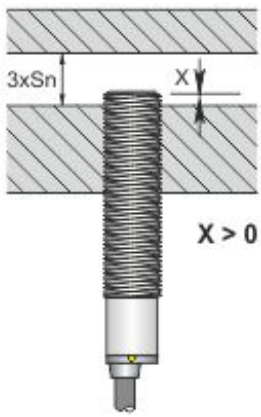
WIRING DIAGRAM



INSTRUCTIONS FOR CORRECT INSTALLATION



Side by side mounting



Flush mounting