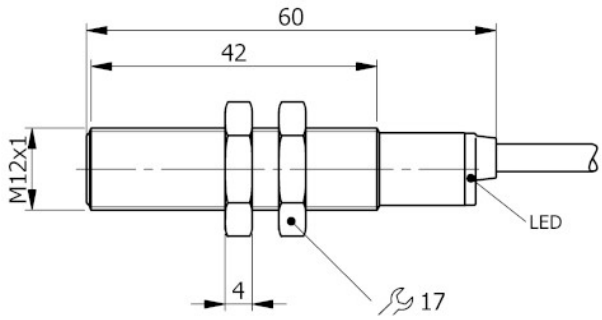
POSITION SENSORS
Inductive Sensors

Part number: **I12000001** Model: **SI12-A2 NC**



Dimension in mm

1. TECHNICAL CHARACTERISTICS

Electrical data		
Power supply type:		Alternating current
Working voltage:	[V]	20 ÷ 250
Protection class:		III
Outputs		
Function:		NC
Max voltage drop:	[V]	< 6
Max output current:	[mA]	300
Minimum output current:	[mA]	5
Max peak current:	[A]	1.5
Residual current:	[mA]	< 1
Max switching frequency:	[Hz]	12
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
Display and control elements		
Display:		Output switching status - 1 x LED: Yellow

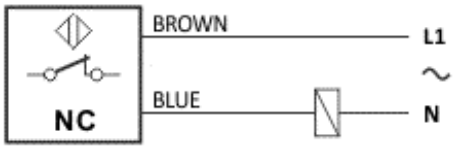
Ci riserviamo il diritto di modificare senza preavviso i dati tecnici su questa scheda

Mechanical data		
Housing:		Threded type
Thread designation:		M12x1
Dimensions:	[mm]	M12x1 - L=60
Materials:		Housing: Nickel-plated brass - Sensing area: POM bluee - Lock nuts: Nickel-plated brass
Mounting:		Embeddable
Weigth:	[g]	80
Electrical connection		
Cable:		2 m - PVC/PVC - 2 x 0.25 mm²
Compliance to Standards / Directives		
Directives compliance:		2014/30/EU -Electromagnetic compatibility directive (EMC) 2014/35/UE -Low voltage directive (LVD)
Standards compliance:		EN60947-5-2 - Product standard

2. NORME DI INSTALLAZIONE

WIRING DIAGRAM

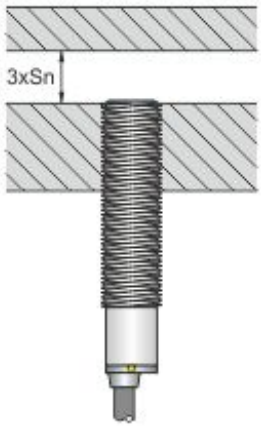
2 WIRES CABLE



INSTRUCTIONS FOR CORRECT INSTALLATION



Side by side mounting



Flush mounting