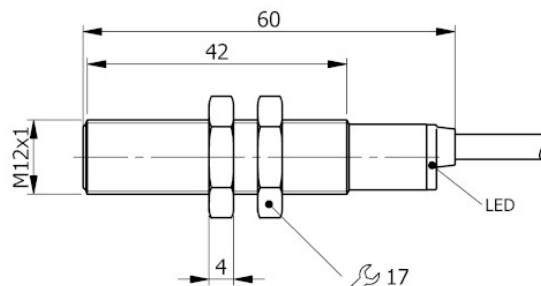


Part number: **I12000755** Model: **SI12SM-B2 NO/NC**



Dimension in mm



1. TECHNICAL CHARACTERISTICS

Electrical data

Power supply type:	Direct current
Working voltage: [V]	10 ÷ 55
Protection class:	III
Reverse polarity protection:	Presente

Outputs

Function:	NO/NC programmable
Max voltage drop: [V]	< 6.5
Max output current: [mA]	100
Minimum output current: [mA]	1.5
Residual current: [mA]	< 0.6
Max switching frequency: [Hz]	1000
Short circuit protection:	Present
Type of short-circuit protection:	Pulsed
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]	-10 ÷ +10
Repeatability: [%Sn]	< 3

Environmental conditions

Temperature limits: [°C]	-25 ÷ +70
IP rating:	IP65-IP66-IP67

Display and control elements

Display:	Output switching status - 1 x LED: Yellow
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Mechanical data

Housing:	Threded type
Thread designation:	M12x1
Dimensions:	[mm] M12x1 - L=61
Materials:	Housing: Nickel-plated brass - Sensing area: POM red - Lock nuts: Nickel-plated brass
Mounting:	Embeddable
Weighth:	[g] 80

Electrical connection

Cable:	2 m - PVC/PVC - 2 x 0.25 mm ²
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Compliance to Standards / Directives

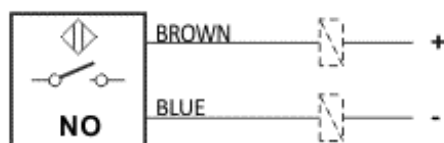
Directives compliance:	2014/30/EU -Electromagnetic compatibility directive (EMC)
Standards compliance:	EN60947-5-2 - Product standard

2. NORME DI INSTALLAZIONE

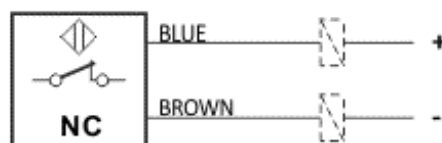
WIRING DIAGRAM

2 WIRES CABLE

FUNCTION NO



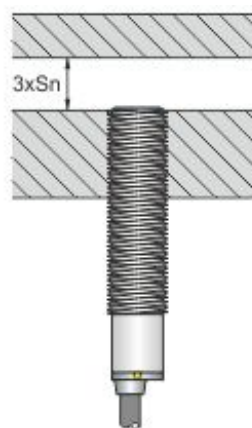
FUNCTION NC



INSTRUCTIONS FOR CORRECT INSTALLATION



Side by side mounting



Flush mounting