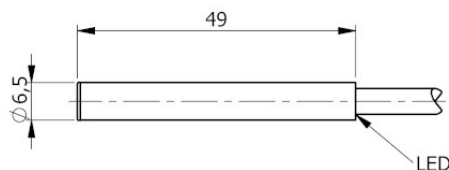


Part number: **I65000033** Model: **SI6.5-DC2 NPN NC**



Dimension in mm

1. TECHNICAL CHARACTERISTICS



Electrical data

Power supply type:	Direct current
Working voltage: [V]	10 ÷ 30
Current consumption: [mA]	< 12 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]	2000
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
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 ÷ +70°C
IP rating:	IP65-IP66-IP67

Display and control elements

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

Housing:	Smooth cylindrical
Dimensions:	[mm] Ø 6.5 - L=50
Materials:	Housing: AISI 303 - Sensing area: POM grey
Mounting:	Embeddable
Weight:	[g] 50

Electrical connection

Cable:	2 m - PVC/PVC - 3 x 0.14 mm ²
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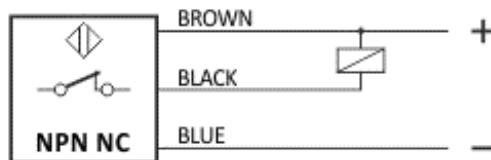
Compliance to Standards / Directives

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

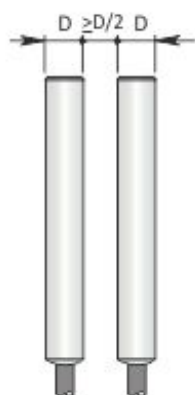
2. NORME DI INSTALLAZIONE

WIRING DIAGRAM

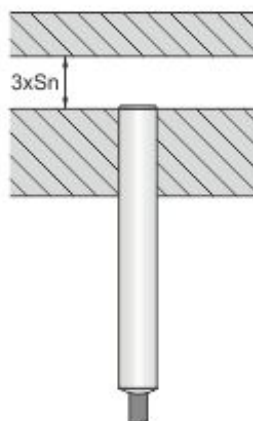
3 WIRES CABLE



INSTRUCTIONS FOR CORRECT INSTALLATION



Side by side mounting



Flush mounting