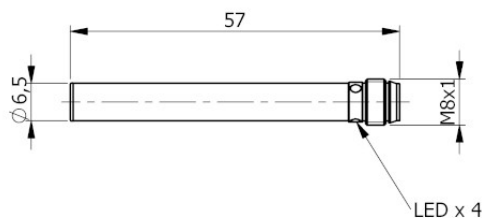


Part number: **I65000034** Model: **SI6.5-DC2 NPN NC H1**

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 (depending on connector)

Display and control elements

Display:	Output switching status - 4 x 90° LED: Yellow
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Mechanical data

Housing:	Smooth cylindrical
Dimensions:	[mm] $\varnothing$ 6.5 - L=50
Materials:	Housing: AISI 303 - Sensing area: POM grey
Mounting:	Embeddable
Weight:	[g] 20

Electrical connection

Connector:	H1 type - M8X1 - gold plated contacts
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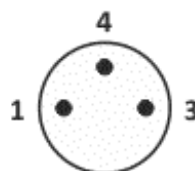
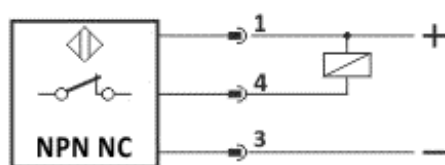
Compliance to Standards / Directives

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

2. NORME DI INSTALLAZIONE

WIRING DIAGRAM

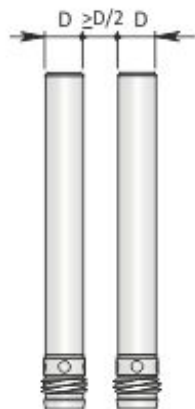
H1 TYPE CONNECTOR - M8x1



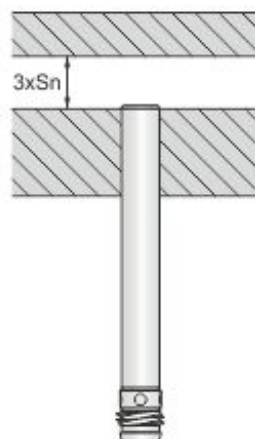
VIEW OF MALE CONNECTOR

- 1 = Brown / +
- 3 = Blue / -
- 4 = Black / Output NC

INSTRUCTIONS FOR CORRECT INSTALLATION



Side by side mounting



Flush mounting