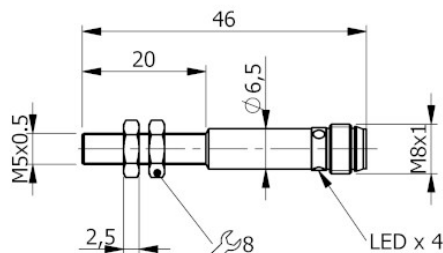


Part number: **I45000010** Model: **SI5-C0.8 NPN NC H1**



Dimension in mm

1. TECHNICAL CHARACTERISTICS



Electrical data

Power supply type:	Direct current
Working voltage:	[V] 10 ÷ 30
Current consumption:	[mA] < 10 mA @ 24Vdc
Protection class:	III
Reverse polarity protection:	Presente

Outputs

Electrical design:	NPN
Function:	NC
Max voltage drop:	[V] < 1.4
Max output current:	[mA] 100
Max switching frequency:	[Hz] 2000
Short circuit protection:	Present
Overload protection:	Present

Detection zone

Switching distance-Sn:	[mm] 0.8
Real sensing distance-Sr:	[mm] 0.8 ±10%
Operative distance-So:	[mm] 0 ÷ 0.65

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
----------	---

Mechanical data

Housing:	Threded type
Thread designation:	M5x0.5
Dimensions: [mm]	M5x0.5 - L=46
Materials:	Housing: AISI 303 - Sensing area: POM black - Lock nuts: Nickel-plated brass
Mounting:	Embeddable
Weigth: [g]	20

Electrical connection

Connector:	H1 type - M8X1 - gold plated contacts
------------	---------------------------------------

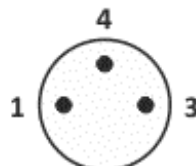
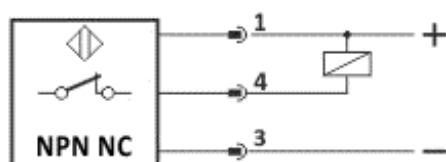
Compliance to Standards / Directives

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



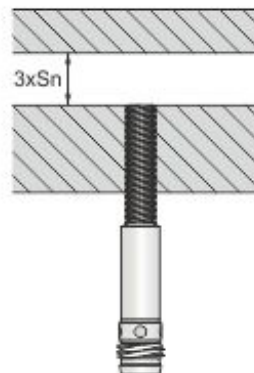
VIEW OF MALE CONNECTOR

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

INSTRUCTIONS FOR CORRECT INSTALLATION



Side by side mounting



Flush mounting