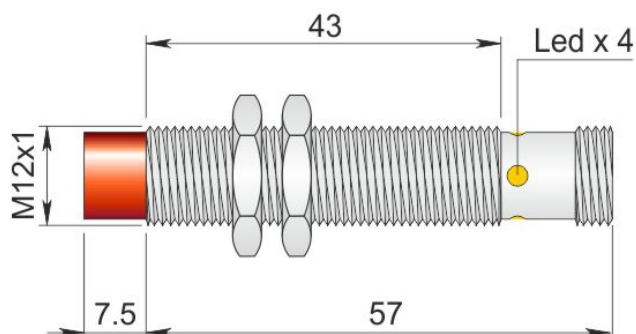


Part number: **I12000086** Model: **SI12-CE4 NPN NO H**



Dimension in mm



1. TECHNICAL CHARACTERISTICS

Electrical data

Power supply type:		Direct current
Working voltage:	[V]	10 ÷ 30
Current consumption:	[mA]	< 15 mA @ 24Vdc
Protection class:		III
Reverse polarity protection:		Presente

Outputs

Electrical design:		NPN
Function:		NO
Max voltage drop:	[V]	< 1.8
Max output current:	[mA]	200
Max switching frequency:	[Hz]	1000
Short circuit protection:		Present
Overload protection:		Present

Detection zone

Switching distance-Sn:	[mm]	4
Real sensing distance-Sr:	[mm]	4 ±10%
Operative distance-So:	[mm]	0 ÷ 3.24

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 ÷ +85°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:	Threded type
Thread designation:	M12x1
Dimensions:	[mm] M12x1 - L=74.5
Materials:	Housing: Nickel-plated brass - Sensing area: POM red - Lock nuts: Nickel-plated brass
Mounting:	Not embeddable
Weight:	[g] 40

Electrical connection

Connector:	H type - M12X1 - Gold plated contacts
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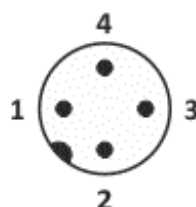
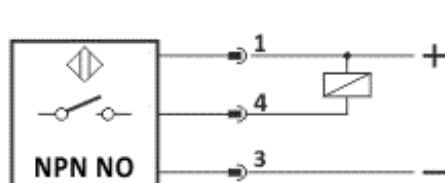
Compliance to Standards / Directives

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

2. NORME DI INSTALLAZIONE

WIRING DIAGRAM

H TYPE CONNECTOR - M12x1



VIEW OF MALE CONNECTOR

1 = Brown / +
3 = Blue / -
4 = Black / Output NO

INSTRUCTIONS FOR CORRECT INSTALLATION

