

INDUCTIVE SENSORS Ø 6.5mm

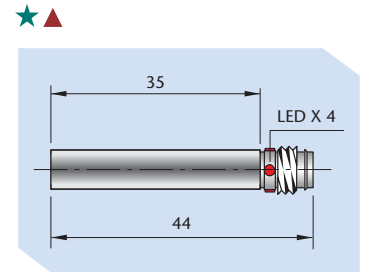
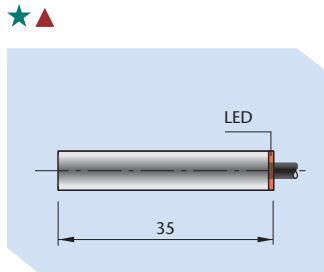


CYLINDRICAL SHORT HOUSING S SERIES
 3 WIRES D.C.
 CONFORMING TO EN 50044
 VERSION-C

- ★ EXTENDED SWITCHING DISTANCE
- ▲ EMBEDDABLE (FLUSH MOUNTING)
- NOT EMBEDDABLE (NON FLUSH MOUNTING)

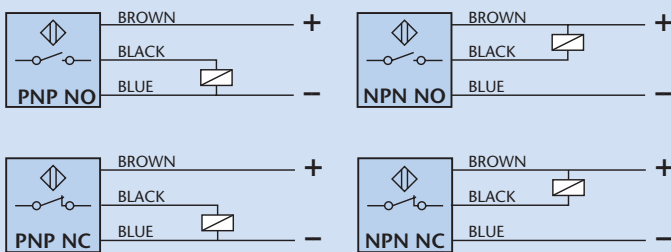
TECHNICAL CHARACTERISTICS

Dimensions mm



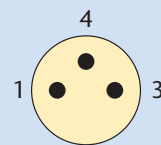
AMPLIFIED 3 WIRES D.C.	NPN	NO	SI6.5 - DC 2 NPN NO S	SI6.5 - DC 2 NPN NO H1 S
		NC	SI6.5 - DC 2 NPN NC S	SI6.5 - DC 2 NPN NC H1 S
	PNP	NO	SI6.5 - DC 2 PNP NO S	SI6.5 - DC 2 PNP NO H1 S
		NC	SI6.5 - DC 2 PNP NC S	SI6.5 - DC 2 PNP NC H1 S
Switching distance (Sn)	mm	2		2
Continuous voltage (residual ripple ≤10%)	V	6 ÷ 30		
Hysteresis (%Sn)	mm	< 10%		
Switching frequency	Hz	2000		
Repeatability	% of Sn	≤ 3		
Max output current	mA	200		
Absorption at 24Vdc	mA	< 12		
Voltage drop (sensor ON)	V	< 1.8		
Short circuit protection		Incorporated		
Led		Incorporated		
Temperature limits	°C	- 25 ÷ + 70		
Degree of protection	IP	67	Depending on connector	
Housing		Stainless steel		
Cable PVC	2m	3 x 0.14 mm ²		
Connector plug		H1		

WIRING DIAGRAMS



N.B.: On request is available cable for sensors with different length
 3.5 - 7.5 - 5 - 10 metres.

CONNECTION WITH H1 PLUG FOR THE CONNECTORS SEE PAGE 85



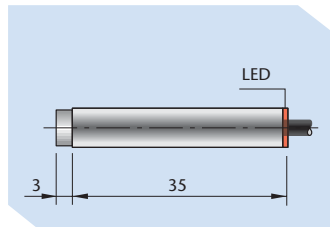
VIEW OF MALE CONNECTOR H1:
 1 = Brown / +
 3 = Blue / -
 4 = Black / output NPN-PNP / NO-NC

INDUCTIVE SENSORS Ø 6.5mm



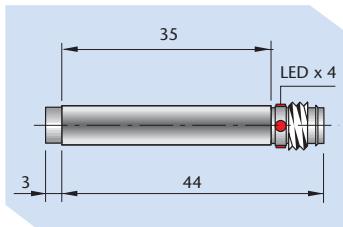
CYLINDRICAL LONG HOUSING
3 WIRES D.C.
CONFORMING TO EN 50044
VERSION-C

INDUCTIVE



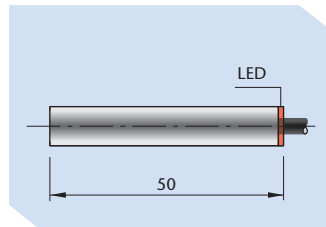
SI6.5 - DCE3 NPN NO S
SI6.5 - DCE3 NPN NC S
SI6.5 - DCE3 PNP NO S
SI6.5 - DCE3 PNP NC S

3



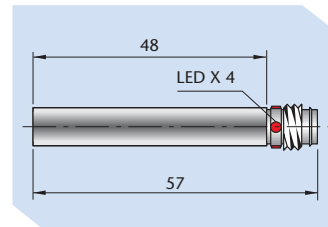
SI6.5 - DCE3 NPN NO H1 S
SI6.5 - DCE3 NPN NC H1 S
SI6.5 - DCE3 PNP NO H1 S
SI6.5 - DCE3 PNP NC H1 S

3



SI6.5 - DC2 NPN NO
SI6.5 - DC2 NPN NC
SI6.5 - DC2 PNP NO
SI6.5 - DC2 PNP NC

2



SI6.5 - DC2 NPN NO H1
SI6.5 - DC2 NPN NC H1
SI6.5 - DC2 PNP NO H1
SI6.5 - DC2 PNP NC H1

2

6 ÷ 30

< 10%

2000

≤ 3

200

< 12

< 1.8

Incorporated

Incorporated

- 25 ÷ + 70

67

Depending on connector

67

Depending on connector

Stainless steel

3 x 0.14 mm²

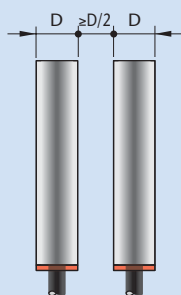
3 x 0.14 mm²

H1

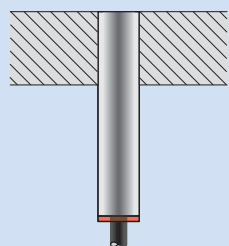
H1

INSTRUCTIONS FOR CORRECT INSTALLATION

EMBEDDABLE

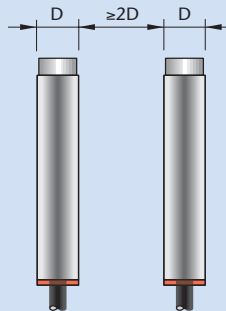


Side by side mounting

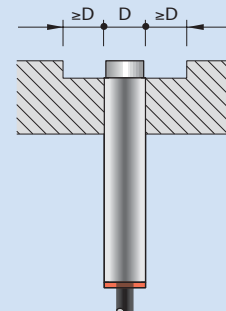


Flush mounting

NOT EMBEDDABLE



Side by side mounting



Flush mounting