

Cylindrical SI6.5

INDUCTIVE SENSORS Ø 6.5mm

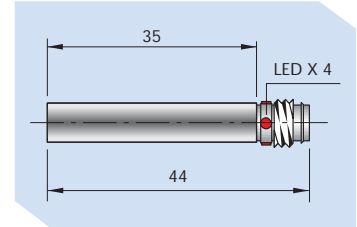
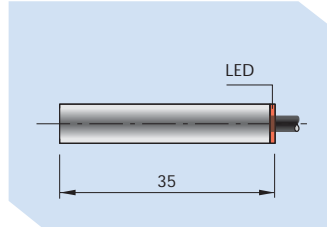


CYLINDRICAL SHORT HOUSING S SERIES
3 WIRES D.C.
CONFORMING TO EN 50044
VERSION-C

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

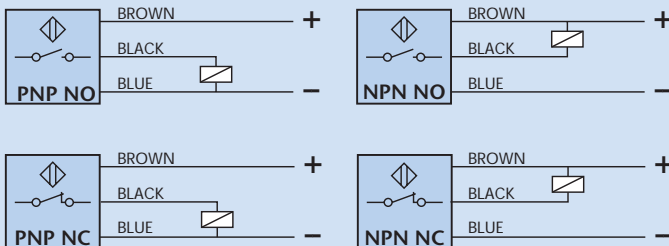
TECHNICAL CHARACTERISTICS

Dimensions mm

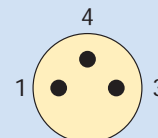


AMPLIFIED 3 WIRES D.C.	NPN	NO	SI6.5 - DC 2 NPN NO S	SI6.5 - DC 2 NPN NO H1 S
		NC	SI6.5 - DC 2 NPN NC S	SI6.5 - DC 2 NPN NC H1 S
	PNP	NO	SI6.5 - DC 2 PNP NO S	SI6.5 - DC 2 PNP NO H1 S
		NC	SI6.5 - DC 2 PNP NC S	SI6.5 - DC 2 PNP NC H1 S
Switching distance (Sn)	mm	2		2
Continuous voltage (residual ripple ≤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		
IP rating	IP	67	Depending on connector	
Housing		Stainless steel		
Cable PVC	2m	3 x 0.14 mm ²		
Connector plug		H1		

WIRING DIAGRAMS



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

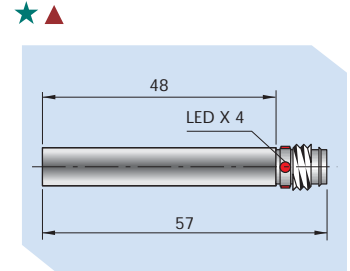
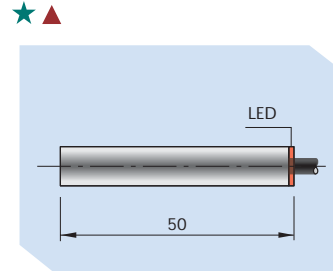
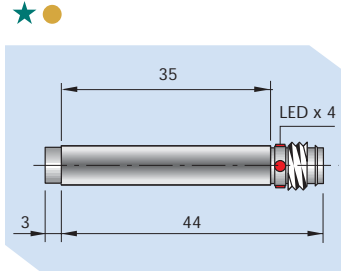
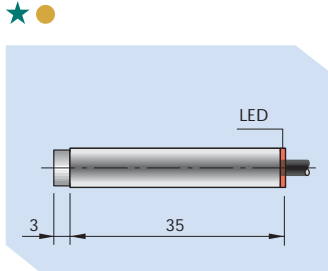
N.B.: Upon request cable for sensors with different lengths
3.5 - 5 - 7.5 - 10 metres is available.

Cylindrical SI6.5

INDUCTIVE SENSORS Ø 6.5mm



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



SI6.5 - DCE3 NPN NO S

SI6.5 - DCE3 NPN NO H1 S

SI6.5 - DC2 NPN NO

SI6.5 - DC2 NPN NO H1

SI6.5 - DCE3 NPN NC S

SI6.5 - DCE3 NPN NC H1 S

SI6.5 - DC2 NPN NC

SI6.5 - DC2 NPN NC H1

SI6.5 - DCE3 PNP NO S

SI6.5 - DCE3 PNP NO H1 S

SI6.5 - DC2 PNP NO

SI6.5 - DC2 PNP NO H1

SI6.5 - DCE3 PNP NC S

SI6.5 - DCE3 PNP NC H1 S

SI6.5 - DC2 PNP NC

SI6.5 - DC2 PNP NC H1

3

3

2

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

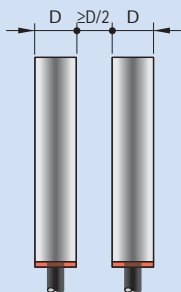
3 x 0.14 mm²

H1

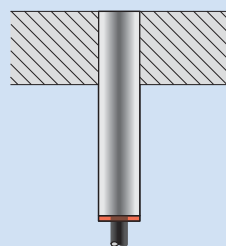
H1

INSTRUCTIONS FOR CORRECT INSTALLATION

EMBEDDABLE

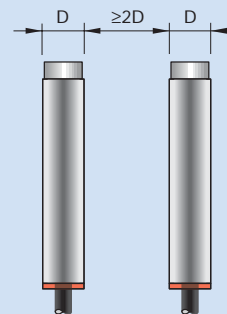


Side by side mounting

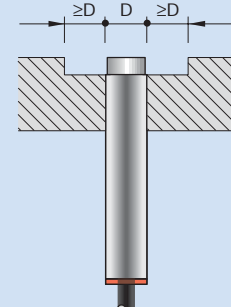


Flush mounting

NOT EMBEDDABLE



Side by side mounting



Flush mounting