

# INDUCTIVE SENSORS M8 x 1

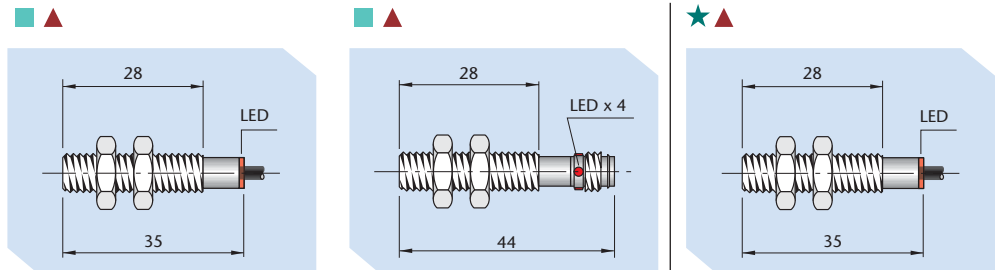


CYLINDRICAL SHORT HOUSING S SERIES  
3 WIRES D.C.  
CONFORMING TO EN 50044  
VERSION-C

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

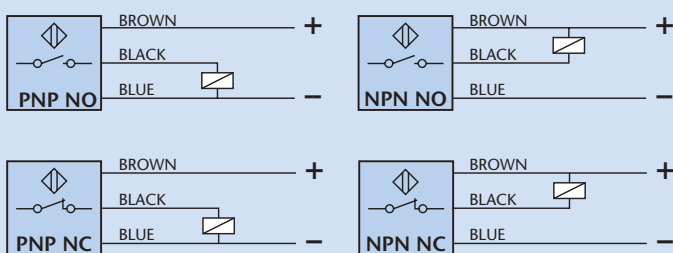
## TECHNICAL CHARACTERISTICS

Dimensions mm



AMPLIFIED 3 WIRES D.C.	NPN	NO	<b>SI8 - C 1 NPN NO S</b>	<b>SI8 - C 1 NPN NO H1 S</b>	<b>SI8 - DC 2 NPN NO S</b>
		NC	<b>SI8 - C 1 NPN NC S</b>	<b>SI8 - C 1 NPN NC H1 S</b>	<b>SI8 - DC 2 NPN NC S</b>
	PNP	NO	<b>SI8 - C 1 PNP NO S</b>	<b>SI8 - C 1 PNP NO H1 S</b>	<b>SI8 - DC 2 PNP NO S</b>
		NC	<b>SI8 - C 1 PNP NC S</b>	<b>SI8 - C 1 PNP NC H1 S</b>	<b>SI8 - DC 2 PNP NC S</b>
Switching distance (Sn)	mm	1.5		1.5	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		Depending on connector	67	
Housing		Stainless steel			
Cable PVC	2m	3 x 0.14 mm <sup>2</sup>			3 x 0.14 mm <sup>2</sup>
Connector plug			H1		

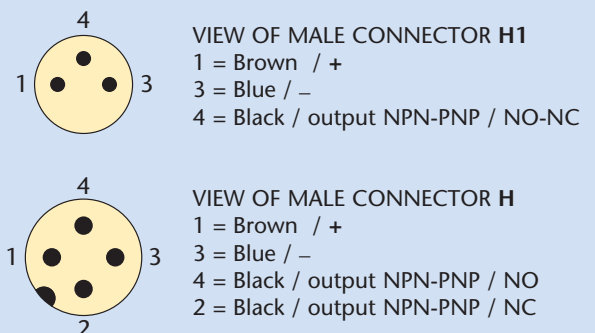
## WIRING DIAGRAMS



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

## CONNECTION WITH H1 - H PLUG

FOR THE CONNECTORS SEE PAGE 85

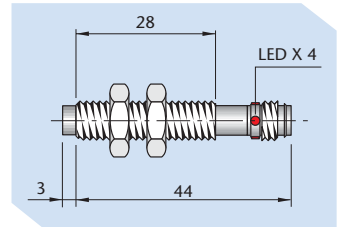
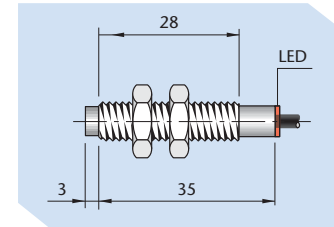
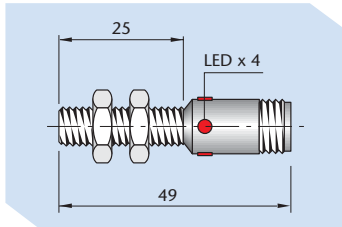
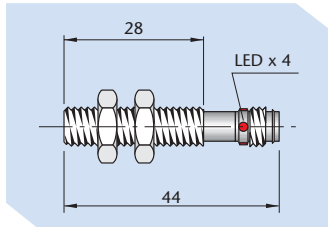


# INDUCTIVE SENSORS M8 x 1

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



INDUCTIVE



SI8 - DC 2 NPN NO H1 S

SI8 - DC 2 NPN NC H1 S

SI8 - DC 2 PNP NO H1 S

SI8 - DC 2 PNP NC H1 S

2

SI8 - DC 2 NPN NO H S

SI8 - DC 2 NPN NC H S

SI8 - DC 2 PNP NO H S

SI8 - DC 2 PNP NC H S

2

SI8 - DCE 3 NPN NO S

SI8 - DCE 3 NPN NC S

SI8 - DCE 3 PNP NO S

SI8 - DCE 3 PNP NC S

3

SI8 - DCE 3 NPN NO H1 S

SI8 - DCE 3 NPN NC H1 S

SI8 - DCE 3 PNP NO H1 S

SI8 - DCE 3 PNP NC H1 S

3

6 ÷ 30

< 10%

2000

≤ 3

200

< 12

< 1.8

Incorporated

Incorporated

- 25 ÷ + 70

Depending on connector

67

Depending on connector

Acciaio inox

3 x 0.14 mm<sup>2</sup>

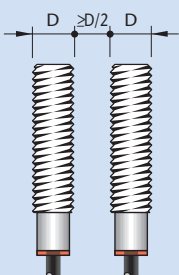
H1

H

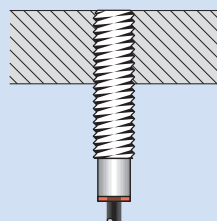
H1

## INSTRUCTIONS FOR CORRECT INSTALLATION

### EMBEDDABLE

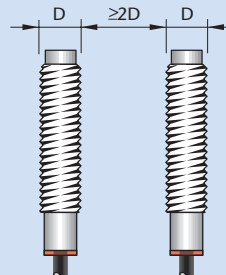


Side by side mounting

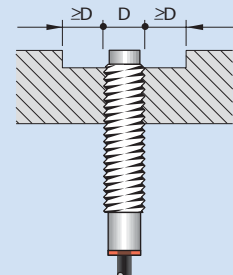


Flush mounting

### NOT EMBEDDABLE



Side by side mounting



Flush mounting

Meyer Industrie-Electronic GmbH - MEYLE

Carl-Bosch-Straße 8  
49525 Lengerich/Germany  
Internet: www.meyle.de

Tel.: (+49) 05481/9385-0  
Fax: (+49) 05481/9385-12  
E-Mail: sales@meyle.de

# INDUCTIVE SENSORS M8 x 1

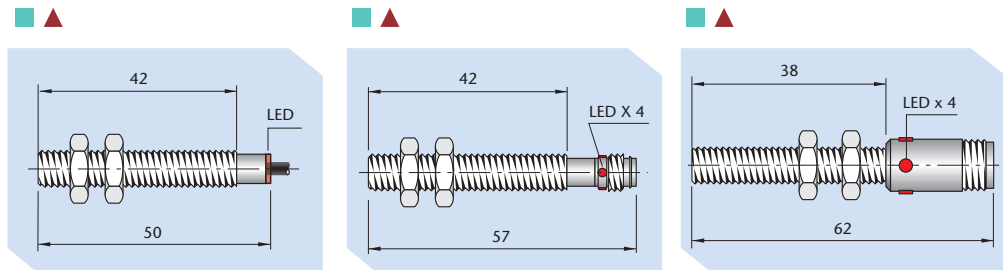


CYLINDRICAL LONG HOUSING  
3 WIRES D.C.  
CONFORMING TO EN 50008 - EN 50044  
VERSION-C

- STANDARD SWITCHING DISTANCE
- ★ EXTENDED SWITCHING DISTANCE
- ▲ EMBEDDABLE (FLUSH MOUNTING)

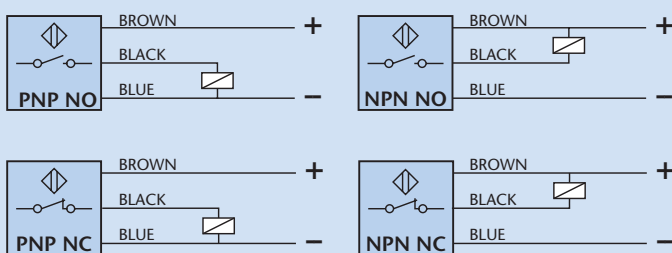
## TECHNICAL CHARACTERISTICS

Dimensions mm



AMPLIFIED 3 WIRES D.C.	NPN	NO	<b>SI8 - C 1 NPN NO</b>	<b>SI8 - C 1 NPN NO H1</b>	<b>SI8 - C 1 NPN NO H</b>
		NC	<b>SI8 - C 1 NPN NC</b>	<b>SI8 - C 1 NPN NC H1</b>	<b>SI8 - C 1 NPN NC H</b>
	PNP	NO	<b>SI8 - C 1 PNP NO</b>	<b>SI8 - C 1 PNP NO H1</b>	<b>SI8 - C 1 PNP NO H</b>
		NC	<b>SI8 - C 1 PNP NC</b>	<b>SI8 - C 1 PNP NC H1</b>	<b>SI8 - C 1 PNP NC H</b>
Switching distance (Sn)	mm	1.5			1.5
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	Depending on connector	
Housing		Stainless steel			
Cable PVC	2m	3 x 0.14 mm <sup>2</sup>			
Connector plug			H1	H	

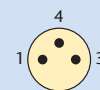
## WIRING DIAGRAMS



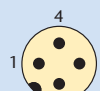
N.B.: On request is available cable for sensors with different length  
3.5 - 7.5 - 5 - 10 metres.

## CONNECTION WITH H1 - H - K PLUGS

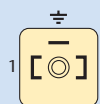
FOR THE CONNECTORS SEE PAGE 85



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



**VIEW OF MALE CONNECTOR H**  
1 = Brown / +  
3 = Blue / -  
4 = Black / output NPN-PNP / NO  
2 = Black / output NPN-PNP / NC



**VIEW OF MALE CONNECTOR K**  
2 = Brown / +  
1 = Blue / -  
⊘ = Black / output NPN-PNP / NO-NC

**Meyer Industrie-Electronic GmbH - MEYLE**

Carl-Bosch-Straße 8  
49525 Lengerich/Germany  
Internet: www.meyle.de

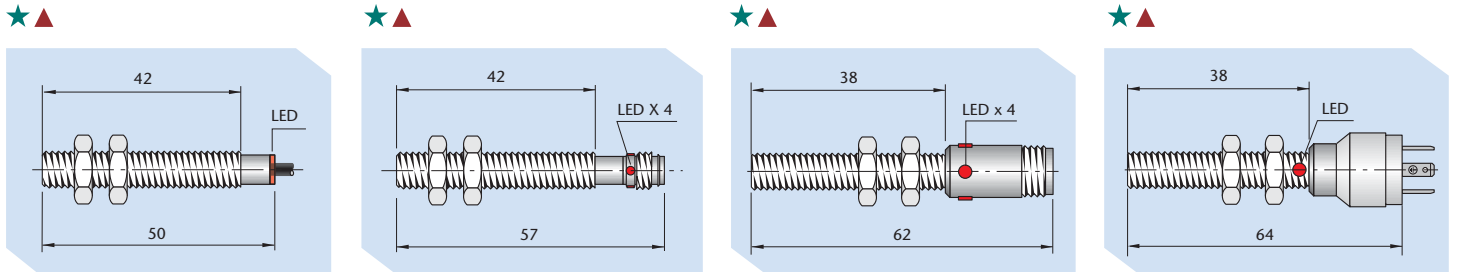
Tel.: (+49) 05481/9385-0  
Fax: (+49) 05481/9385-12  
E-Mail: sales@meyle.de

# INDUCTIVE SENSORS M8 x 1

CYLINDRICAL LONG HOUSING  
3 WIRES D.C.  
CONFORMING TO EN 50008 - EN 50044  
VERSION-C



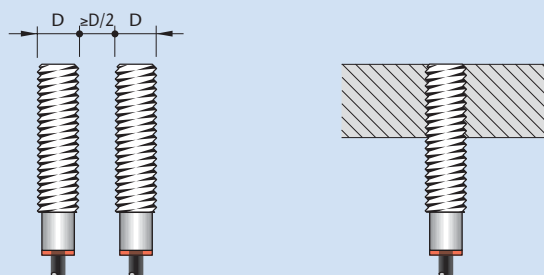
INDUCTIVE



S18 - DC 2 NPN NO	S18 - DC 2 NPN NO H 1	S18 - DC 2 NPN NO H	S18 - DC 2 NPN NO K
S18 - DC 2 NPN NC	S18 - DC 2 NPN NC H 1	S18 - DC 2 NPN NC H	S18 - DC 2 NPN NC K
S18 - DC 2 PNP NO	S18 - DC 2 PNP NO H 1	S18 - DC 2 PNP NO H	S18 - DC 2 PNP NO K
S18 - DC 2 PNP NC	S18 - DC 2 PNP NC H 1	S18 - DC 2 PNP NC H	S18 - DC 2 PNP NC K
2	2	2	2
6 ÷ 30			
<10%			
2000			
≤ 3			
200			
< 12			
<1.8			
Incorporated			
Incorporated			
- 25 ÷ + 70			
67	Depending on connector	Depending on connector	65
Stainless steel			
3 x 0.14 mm <sup>2</sup>			
	H1	H1	K (type 11)

## INSTRUCTIONS FOR CORRECT INSTALLATION

### EMBEDDABLE



Side by side mounting

Flush mounting

**Meyer Industrie-Electronic GmbH - MEYLE**

Carl-Bosch-Straße 8  
49525 Lengerich/Germany  
Internet: [www.meyle.de](http://www.meyle.de)

Tel.: (+49) 05481/9385-0  
Fax: (+49) 05481/9385-12  
E-Mail: [sales@meyle.de](mailto:sales@meyle.de)