

# Rectangular SIP12 - SIP17 - SIP25

## RECTANGULAR INDUCTIVE SENSORS SIP12 - SIP17 - SIP25

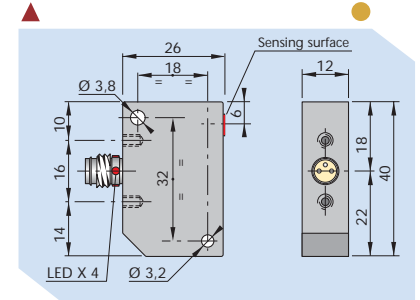
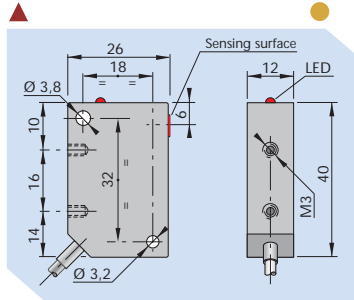


3/4 WIRES D.C.  
CONFORMING TO EN 50044  
VERSION-C

- ▲ **EMBEDDABLE** (FLUSH MOUNTING)
- **NOT EMBEDDABLE** (NON FLUSH MOUNTING)

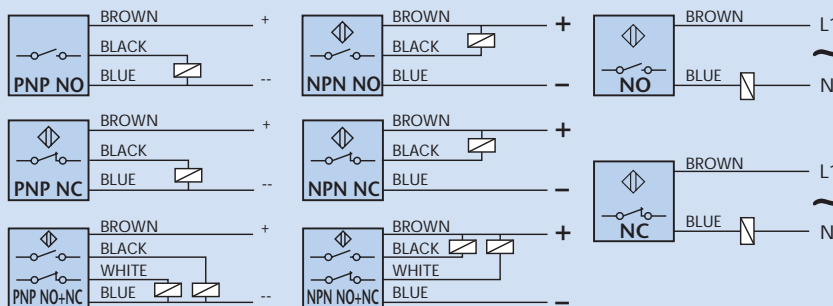
### TECHNICAL CHARACTERISTICS

Dimensions mm



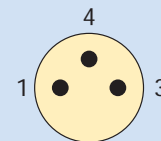
AMPLIFIED 3 WIRES D.C.	NPN	NO			SIP12 - C2 NPN NO H1	SIP12 - CE4 NPN NO H1
		NC			SIP12 - C2 NPN NC H1	SIP12 - CE4 NPN NC H1
	PNP	NO			SIP12 - C2 PNP NO H1	SIP12 - CE4 PNP NO H1
		NC			SIP12 - C2 PNP NC H1	SIP12 - CE4 PNP NC H1
AMP. 4 WIRES D.C. ANTIPHASE	NPN	NO+NC	SIP12 - C2 NPN NO + NC	SIP12- CE4 NPN NO + NC		
	PNP	NO+NC	SIP12 - C2 PNP NO + NC	SIP12- CE4 PNP NO + NC		
AMPLIFIED 2 WIRES A.C.		NO				
		NC				
Switching distance (Sn)	mm		2	4	2	4
Continuous voltage (residual ripple ≤10%)	V				10 ÷ 30	
Alternating voltage 50÷60 Hz	V					
Hysteresis (%Sn)	mm				<10%	
Switching frequency	Hz				1000	
Repeatability	% of Sn				≤ 3	
Max output current	mA				200	
Min output current	mA					
Max peak current for 20 ms	A					
Absorption at 24Vdc	mA				<15	
Residual current	mA					
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					Plastic	
Cable PVC	2m		4 x 0.25 mm <sup>2</sup>			
Connector plug						H1

### WIRING DIAGRAMS



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

### 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

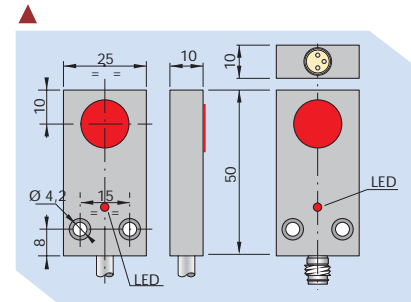
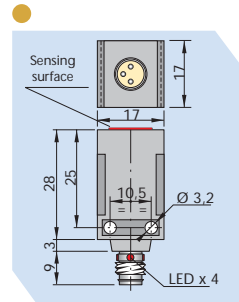
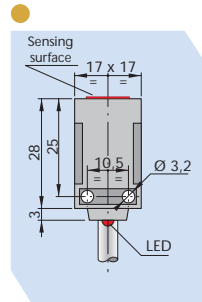
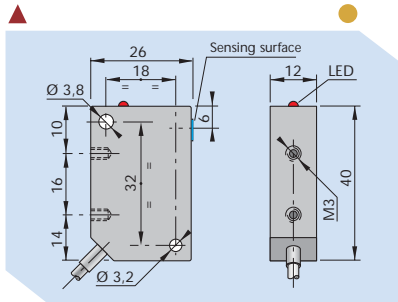
# Rectangular SIP12 - SIP17 - SIP25

## RECTANGULAR INDUCTIVE SENSORS SIP12 - SIP17 - SIP25



2 WIRES A.C.  
CONFORMING TO EN 50044  
VERSION-A

3/4 WIRES D.C.  
CONFORMING TO EN 50044  
VERSION-C



			SIP17 - CE5 NPN NO H1		SIP25 - C5 NPN NO H1
			SIP17 - CE5 NPN NC H1		SIP25 - C5 NPN NC H1
			SIP17 - CE5 PNP NO H1		SIP25 - C5 PNP NO H1
			SIP17 - CE5 PNP NC H1		SIP25 - C5 PNP NC H1
		SIP17 - CE5 NPN NO + NC		SIP25 - C5 NPN NO + NC	
		SIP17 - CE5 PNP NO + NC		SIP25 - C5 PNP NO + NC	
SIP12 - A2 NO	SIP12 - AE4 NO				
SIP12 - A2 NC	SIP12 - AE4 NC				
2	4	5	5	5	5
			10 ÷ 30		10 ÷ 30
			20 ÷ 250		
			<10%		<10%
			12		1000
			≤ 3		≤ 3
			300		200
			5		
			1.5		
			<15		<15
			<1		
			<6		<1.8
			Incorporated		Incorporated
			Incorporated		Incorporated
			- 25 ÷ + 70		- 25 ÷ + 70
		67	67	67	67
			Plastic	Depending on connector	Depending on connector
			Plastic		Nickelled brass
		4 x 0.25 mm <sup>2</sup>		4 x 0.25 mm <sup>2</sup>	
			H1		H1

### INSTRUCTIONS FOR CORRECT INSTALLATION

