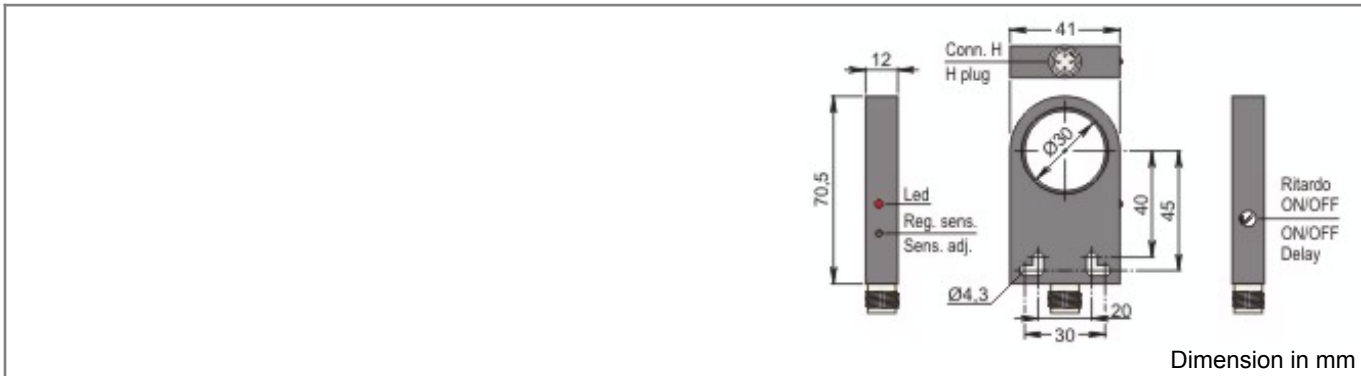


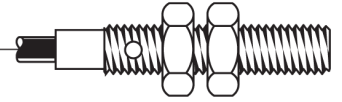


**Part number: SIA000127 - Model: SIA30-CE NPN NO+NC H R**

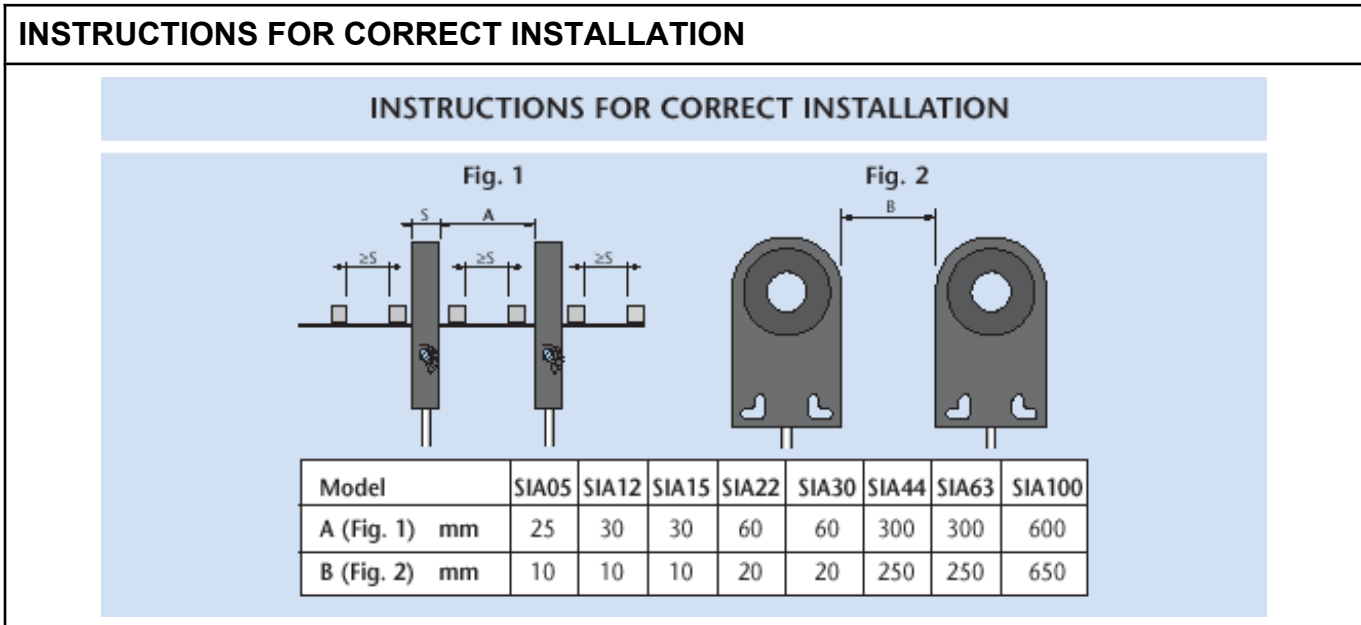
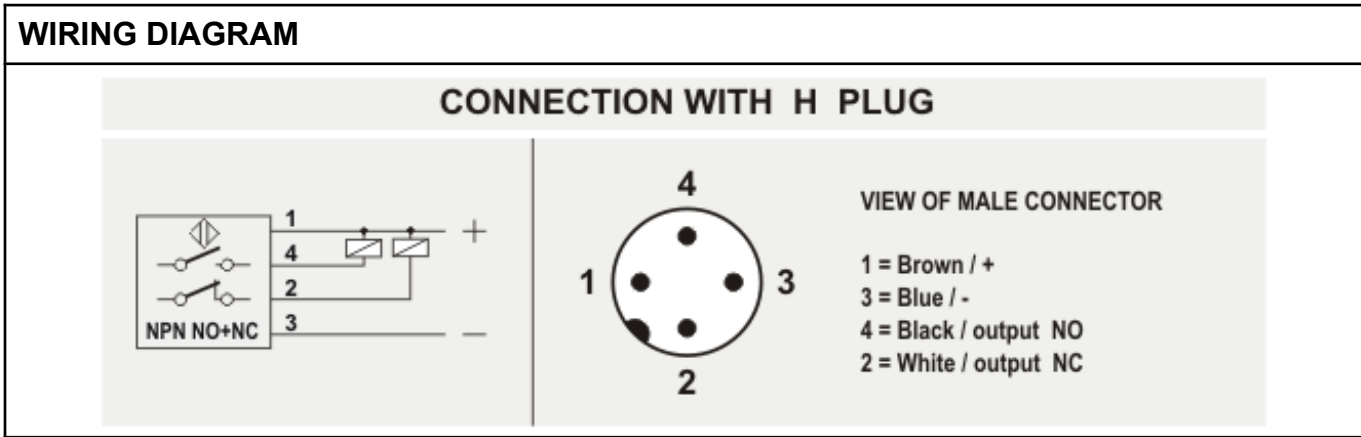


**TECHNICAL CHARACTERISTICS**

Power supply:	Direct current
Working voltage:	10 ÷ 30 Vdc
Sensing hole diameter (mm):	30
Minimum detectable object (mm):	Ø 4 x 7
Output logic:	NPN
Function:	NO+NC
Hysteresis (%Sn):	Depends on the sensitivity
Max switching frequency:	See instructions for installation
Delay ON de-energization:	100 mSec (when inserted)
Repeatability (%Sn):	< = 0.3
Max output current:	200 mA
Absorption:	< 15 mA @ 24Vdc
Voltage drop:	< 1.8 V
Short circuit protection:	Present
Led indicator:	Present
Temperature limits:	-20 ÷ +60 °C
IP rating:	Depending on connector
Housing material:	Plastic
Mechanical characteristics:	SIA30 41x70.5x12
Connection type:	H plug
Weigth:	50 g



Part number: SIA000127 - Model: SIA30-CE NPN NO+NC H R



### MIN. DIMENSIONS OF THE OBJECT TO DETECT (Fe37)

Model	SIA30	
Lenght	mm	7
Diameter	mm	4

### SWITCHING FREQUENCY

The switching frequency of inductive ring sensors depends on delayed impulse time (**when inserted**) according to the formula :

$$\text{Switching frequency (Hz)} = \frac{1}{(T \text{ impulse} + 10) \text{ mS}}$$

Vice versa, the switching frequency will be between 600+800 Hz.