



**Part number: U1800006 - Model: SUC-P150 UI H**



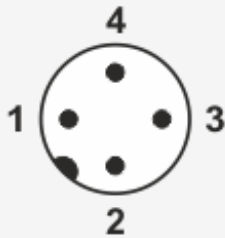
<b>TECHNICAL CHARACTERISTICS</b>	
Power supply:	Direct current
Detection type:	Diffuse reflective
Working voltage:	11 ÷ 30 V
Detection range:	120 ÷ 1000 mm
Blind range:	0 ÷ 120mm
Transducer direction:	Axial
Teach-in:	Present
Output type:	Analogic + Analogic
Function (Analogic output):	0 ÷ 10 V (RL > 10 KOHM ) / 4 ÷ 20 mA (RL < 400 OHM )
Resolution:	0.5mm
Output linearity (Analogic output):	max 1%FS
Temperature error:	max 1%FS
Working frequency:	180 KHz
Max. switching speed:	30 Hz
Led indicator:	Led yellow/red
Absorption:	45 ÷ 65mA
Temperature limits:	0 ÷ +60 °C
Operating pressure range:	900 ÷ 1100 mBar
IP rating:	IP67
Housing material:	Nickel plated brass
Mechanical characteristics:	M18x1
Connection type:	H Connector
Weight:	65g



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## WIRING DIAGRAM

### CONNECTION WITH H PLUG



#### VIEW OF MALE CONNECTOR

- 1 = Brown / +24Vdc
- 2 = White / teach
- 3 = Blue / 0V
- 4 = Black / output 0...10V / 4...20mA

## INSTRUCTIONS FOR CORRECT INSTALLATION

### DETECTION RANGE



The detection beam of an ultrasonic sensor has the shape of a cone.  
The cone of sensitivity can vary in function of the detected object. Three typical curves of the cone are shown in the graphic.  
The cones of sensitivity of two different ultrasonic sensors with the same operating frequency must NEVER intersecate, or they do not work properly.