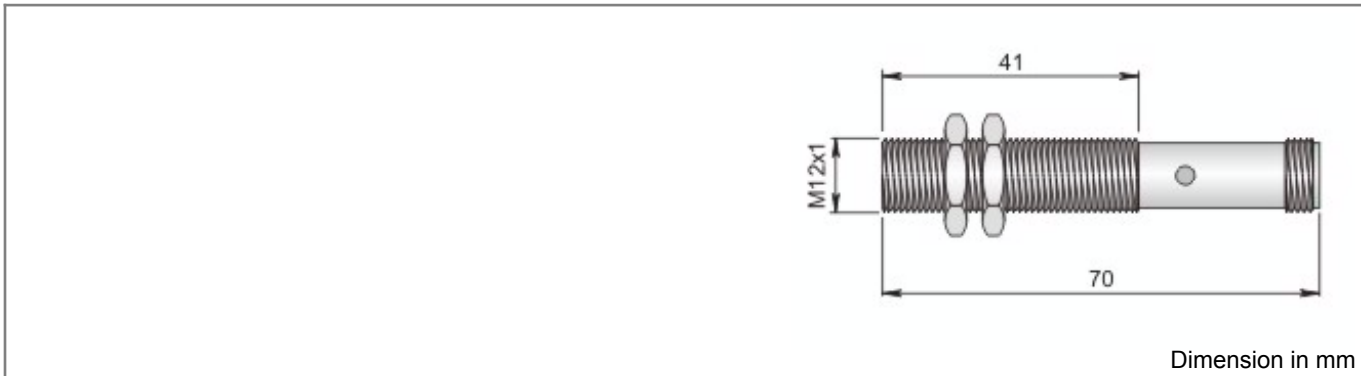




**Part number: U1200002 - Model: SUM-P20 U H**



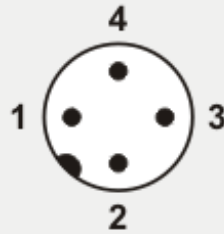
<b>TECHNICAL CHARACTERISTICS</b>	
Power supply:	Direct current
Detection type:	Diffuse reflective
Working voltage:	15 ÷ 30 V
Detection range:	20 ÷ 200 mm
Blind range:	20mm
Transducer direction:	Axial
Teach-in:	Present
Output type:	Analogue
Function (Analogic output):	0 ÷ 10 V (RL > 1 KOHM )
Temperature error:	< =1.5 %FS
Working frequency:	400 KHz
Led indicator:	Led yellow/red
Absorption:	30 mA
Temperature limits:	0 ÷ +70 °C
IP rating:	IP65
Housing material:	Nickel plated brass
Mechanical characteristics:	M12x1
Connection type:	H Connector
Weight:	25g



Part number: U1200002 - Model: SUM-P20 U H

## WIRING DIAGRAM

### CONNECTION WITH H PLUG

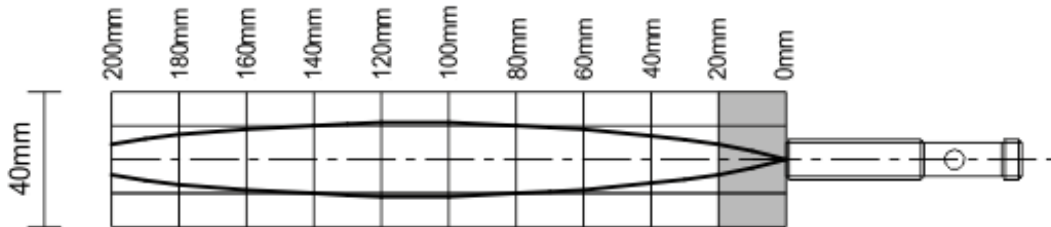


#### VIEW OF MALE CONNECTOR

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

## 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. The typical curve of the cone is 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.