



1) Active surface 2) Housing 3) Top cover 4) Function indicator yellow 5) Display echo green

- Ultrasonic sensor
- Hysteresis and window function



**General attributes**

Enclosure Type per IEC 60529  
Indicator Echo  
Indicator switching function  
Polarity reversal protected  
Protection Class  
Setting  
Short circuit protected

IP67  
LED green  
LED yellow  
yes  
II  
Remote  
yes

**Electrical attributes**

Connection type  
Current draw  
Eff. operating voltage U<sub>e</sub> DC  
Hysteresis H max.  
Operating voltage U<sub>B</sub> max. DC [V]  
Operating voltage U<sub>B</sub> min. DC [V]  
Output current max.  
Output signal adjustable  
Stability

Connector  
≤80 mA  
24 V ±25 %  
1 %  
30 V DC  
12 V DC  
500 mA  
yes  
EN 61000-4-3  
EN 61000-4-4  
EN 61000-4-5  
EN 61000-4-6  
EN 61000-4-2

Switching frequency f  
Switching output  
Ultrasonic frequency

15 Hz  
2xPNP NO/NC  
ca. 360 kHz

**Mechanical attributes**

Connector type  
Cover material  
Housing material  
Opening angle, sound cone  
Operating temperature max.  
Operating temperature min.  
Range max. [mm]  
Range min.  
Repeat accuracy  
Resolution  
Sensing face material

M12x1 5 poles  
Plastic PA  
Plastic PBT  
8°  
+70 °C  
-15 °C  
400 mm  
30 mm  
0.2 %  
0.200 mm  
Epoxide hollow glass spheres  
PUR  
+75 °C  
-30 °C  
yes

Storage temperature max.  
Storage temperature min.  
Temperature compensation



PIN 1: +24V  
PIN 2: Output 2  
PIN 3: 0V  
PIN 4 Output 1  
PIN 5: Teach-in