

1) Sensing surface, 2) Housing, 3) Cover, 4) Function indicator yellow, 5) Indicator Echo green



### Basic features

|                     |                   |
|---------------------|-------------------|
| Approval/Conformity | CE<br>WEEE<br>EAC |
| Series              | M18K0             |

### Display/Operation

|                            |            |
|----------------------------|------------|
| Echo indicator             | Green LED  |
| Setting                    | Remote     |
| Switching function display | LED yellow |

### Electrical connection

|                             |              |
|-----------------------------|--------------|
| Connection                  | M12x1, 5-pin |
| Polarity reversal protected | yes          |
| Short-circuit protection    | yes          |

### Electrical data

|                                  |             |
|----------------------------------|-------------|
| Current draw max.                | 80 mA       |
| Hysteresis H max.                | 1 %         |
| Operating voltage $U_b$          | 12...30 VDC |
| Output current max.              | 500 mA      |
| Output signal adjustable         | yes         |
| Protection class                 | II          |
| Rated operating voltage $U_e$ DC | 24 V        |
| Switching frequency              | 15 Hz       |
| Ultrasonic Frequency             | 360 kHz     |

### Environmental conditions

|                     |             |
|---------------------|-------------|
| Ambient temperature | -15...70 °C |
| IP rating           | IP67        |
| Storage temperature | -30...75 °C |

### Interface

|                  |  |
|------------------|--|
| Switching output | 2x PNP normally open/normally closed (NO/NC) |
|------------------|--|

### Material

|                          |                               |
|--------------------------|-------------------------------|
| Cover material           | PA                            |
| Housing material         | PBT                           |
| Material sensing surface | Epoxy hollow glass sphere/PUR |

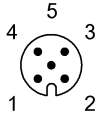
### Mechanical data

|        |         |
|--------|---------|
| Weight | 45.00 g |
|--------|---------|

### Range/Distance

|                           |             |
|---------------------------|-------------|
| Opening angle, sound cone | 8 °         |
| Range                     | 30...400 mm |
| Repeat accuracy           | 0.2 %FS     |
| Resolution                | ≤ 0.200 mm  |

## Connector Drawings



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