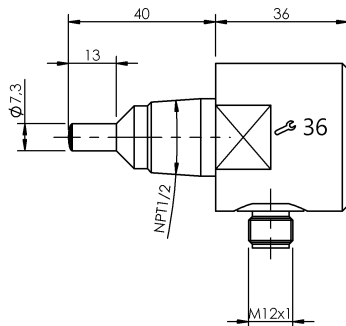
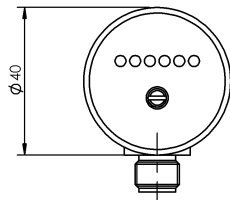




Basic features

|                        |                             |
|------------------------|-----------------------------|
| Approval/Conformity    | CE<br>cULus<br>UKCA<br>WEEE |
| Operating panel        | Potentiometer screw         |
| Principle of operation | Flow sensor, calorimetric   |

Display/Operation

|         |                                                                                          |
|---------|------------------------------------------------------------------------------------------|
| Display | LED green (4x): Limit exceeded<br>LED yellow: Limit reached<br>LED red: Limit undershoot |
|---------|------------------------------------------------------------------------------------------|

Electrical connection

|                             |                              |
|-----------------------------|------------------------------|
| Connection                  | Connector, M12x1-Male, 4-pin |
| Polarity reversal protected | yes                          |
| Short-circuit protection    | yes                          |

Electrical data

|                         |             |
|-------------------------|-------------|
| Current draw max.       | 70 mA       |
| Operating voltage $U_b$ | 20...28 VDC |
| Ready delay $t_v$ max.  | 15 s        |
| Switching current       | 400 mA      |
| Switching cycles min.   | 100 mil.    |

Environmental conditions

|                     |             |
|---------------------|-------------|
| Ambient temperature | -20...80 °C |
| IP rating           | IP67        |
| Media temperature   | -20...80 °C |
| Storage temperature | -20...80 °C |

Functional safety

|              |       |
|--------------|-------|
| MTTF (40 °C) | 402 a |
|--------------|-------|

Interface

|                  |     |
|------------------|-----|
| Switching output | PNP |
|------------------|-----|

Material

|                             |                        |
|-----------------------------|------------------------|
| Housing material            | 1.4571 stainless steel |
|                             | 1.4305 stainless steel |
| Process connection material | 1.4571 stainless steel |

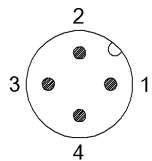
Mechanical data

|                                          |                |
|------------------------------------------|----------------|
| Installation length from contact surface | 40 mm          |
| Pressure rating max.                     | 100 bar        |
| Probe diameter                           | 7.3 mm         |
| Process connection                       | NPT 1/2" outer |

Range/Distance

|                    |                                                |
|--------------------|------------------------------------------------|
| Response time max. | 13 s                                           |
| Working range      | 1...150 cm/s aqueous media<br>3...300 cm/s oil |

Connector Drawings



Wiring Diagrams (Schematic)

