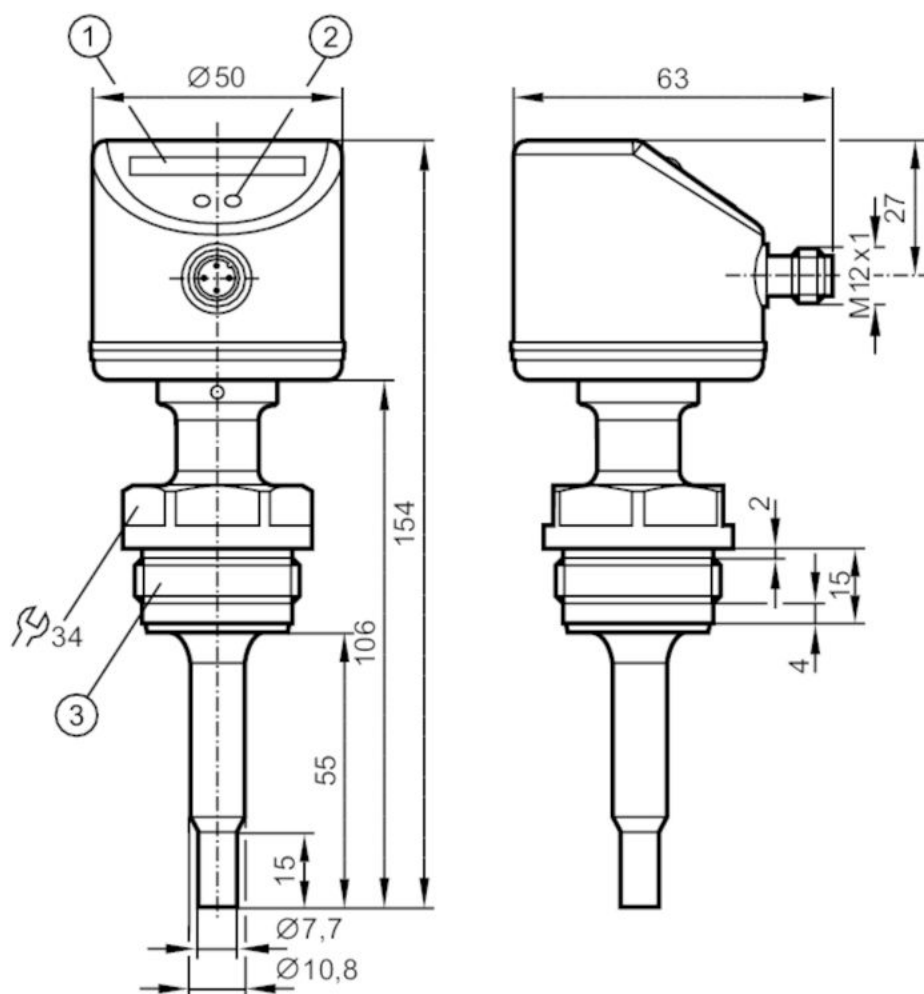


# SI6800



## Flow monitor

SIR11ABBFPKG/US-100-IPF



- 1 LED bar display  
2 setting pushbutton  
3 thread G1 Aseptoflex Vario



**UL**  
LISTED

**EC 1935/2004 EHEDG Certified**

FCM 

## Product characteristics

|                              |                                                          |
|------------------------------|----------------------------------------------------------|
| Number of inputs and outputs | Number of digital outputs: 1                             |
| Process connection           | threaded connection G 1 external thread Aseptoflex Vario |

## Application

|                                                |                                        |       |
|------------------------------------------------|----------------------------------------|-------|
| Special feature                                | Gold-plated contacts                   |       |
| Application                                    | hygienic systems                       |       |
| Medium temperature [°C]                        | -25...95; (for SIP process: ...140 °C) |       |
| Pressure rating                                | 30 bar                                 | 3 MPa |
| MAWP (for applications according to CRN) [bar] | 30                                     |       |

### Electrical data

|                     |      |            |
|---------------------|------|------------|
| Operating voltage   | [V]  | 19...36 DC |
| Current consumption | [mA] | < 60       |
| Protection class    |      | III        |



## Flow monitor

SIR11ABBFPKG/US-100-IPF

|                                                 |              |                                                              |
|-------------------------------------------------|--------------|--------------------------------------------------------------|
| Reverse polarity protection                     |              | yes                                                          |
| Power-on delay time                             | [s]          | 10                                                           |
| <b>Inputs / outputs</b>                         |              |                                                              |
| Number of inputs and outputs                    |              | Number of digital outputs: 1                                 |
| <b>Outputs</b>                                  |              |                                                              |
| Total number of outputs                         |              | 1                                                            |
| Output signal                                   |              | switching signal                                             |
| Electrical design                               |              | PNP                                                          |
| Number of digital outputs                       |              | 1                                                            |
| Output function                                 |              | normally open / normally closed; (parameterisable)           |
| Max. voltage drop switching output DC           | [V]          | 2.5                                                          |
| Permanent current rating of switching output DC | [mA]         | 250                                                          |
| Short-circuit protection                        |              | yes                                                          |
| Type of short-circuit protection                |              | pulsed                                                       |
| Overload protection                             |              | yes                                                          |
| <b>Measuring/setting range</b>                  |              |                                                              |
| Probe length L                                  | [mm]         | 55                                                           |
| <b>Liquids</b>                                  |              |                                                              |
| Setting range                                   | [cm/s]       | 3...300                                                      |
| Greatest sensitivity                            | [cm/s]       | 3...100                                                      |
| <b>Gases</b>                                    |              |                                                              |
| Setting range                                   | [cm/s]       | 200...3000                                                   |
| Greatest sensitivity                            | [cm/s]       | 200...800                                                    |
| <b>Accuracy / deviations</b>                    |              |                                                              |
| Repeatability                                   | [cm/s]       | 1...5                                                        |
| Note on repeatability                           |              | for water 5...100 cm/s; 25 °C<br>Factory setting             |
| Temperature drift                               | [cm/s x 1/K] | 0.1; (for water 5...100 cm/s; 10...70 °C)                    |
| Temperature gradient                            | [K/min]      | 300                                                          |
| Switch point accuracy                           | [cm/s]       | ± 2...± 10; (for water 5...100 cm/s; 25 °C; Factory setting) |
| Hysteresis                                      | [cm/s]       | 2...5; (for water 5...100 cm/s; 25 °C; Factory setting)      |
| <b>Response times</b>                           |              |                                                              |
| Response time                                   | [s]          | 1...10                                                       |
| <b>Software / programming</b>                   |              |                                                              |
| Adjustment of the switch point                  |              | pushbutton                                                   |
| <b>Operating conditions</b>                     |              |                                                              |
| Ambient temperature                             | [°C]         | -25...60                                                     |
| Protection                                      |              | IP 67; IP 69K                                                |

# SI6800



## Flow monitor

SIR11ABBFPKG/US-100-IPF

| Tests / approvals    |                   |                     |
|----------------------|-------------------|---------------------|
| EMC                  | DIN EN 61000-6-2  |                     |
|                      | DIN EN 61000-6-3  |                     |
| Shock resistance     | DIN EN 60068-2-27 | 50 g (11 ms)        |
| Vibration resistance | DIN EN 60068-2-6  | 10 g (55...2000 Hz) |
| MTTF                 | [years]           | 298                 |

| Mechanical data          |      |                                                                         |
|--------------------------|------|-------------------------------------------------------------------------|
| Weight                   | [g]  | 440                                                                     |
| Housing                  |      | cylindrical                                                             |
| Dimensions               | [mm] | Ø 50 / L = 154                                                          |
| Materials                |      | stainless steel (316L/1.4404); PC; PBT-GF20; EPDM/X; Sealing: FKM       |
| Materials (wetted parts) |      | stainless steel (316L/1.4435); surface characteristics: Ra < 0,4 / Rz 4 |
| Process connection       |      | threaded connection G 1 external thread Aseptoflex Vario                |
| Probe diameter           | [mm] | 7.7                                                                     |
| Installation length EL   | [mm] | 55                                                                      |

| Displays / operating elements |          |                        |
|-------------------------------|----------|------------------------|
| Display                       | function | 10 x LED, three-colour |

| Remarks       |  |        |
|---------------|--|--------|
| Pack quantity |  | 1 pcs. |

### Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated



### Connection

