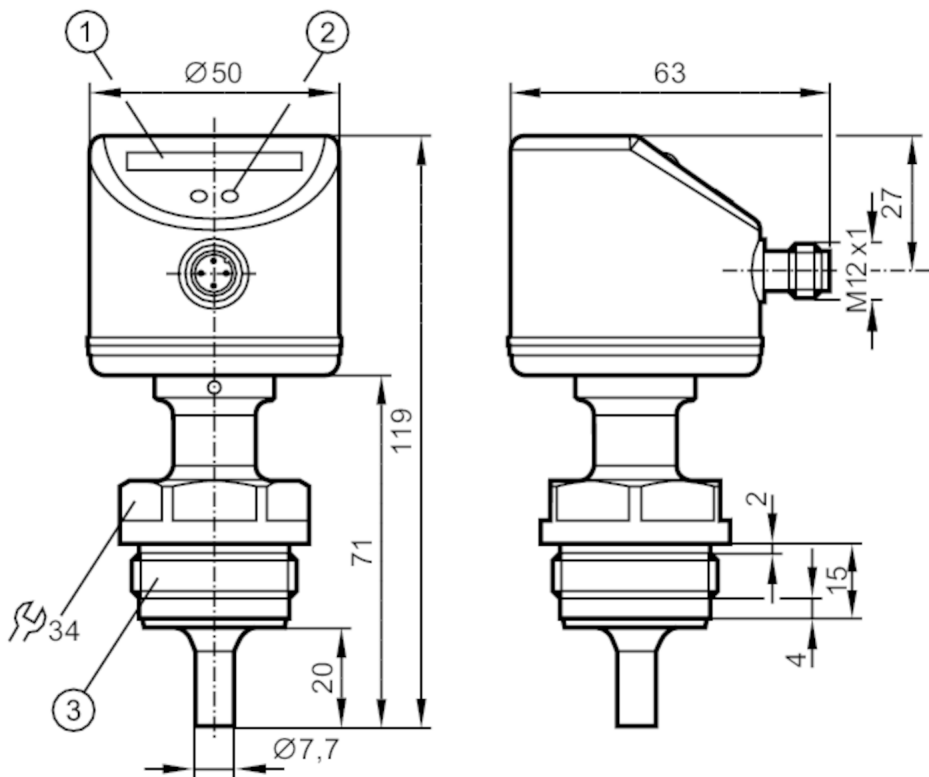




Flow monitor

SIR11ABBFPKG/US-100-IPF



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



| 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        |
| Reverse polarity protection            |                                                          | yes        |
| Power-on delay time                    | [s]                                                      | 10         |
| Inputs / outputs                       |                                                          |            |
| Number of inputs and outputs           | Number of digital outputs: 1                             |            |



## Flow monitor

SIR11ABBFPKG/US-100-IPF

| Outputs                                              |                   |                                                              |
|------------------------------------------------------|-------------------|--------------------------------------------------------------|
| 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                                                          |
| Measuring/setting range                              |                   |                                                              |
| Probe length L [mm]                                  |                   | 20                                                           |
| Liquids                                              |                   |                                                              |
| Setting range [cm/s]                                 |                   | 3...300                                                      |
| Greatest sensitivity [cm/s]                          |                   | 3...100                                                      |
| Gases                                                |                   |                                                              |
| Setting range [cm/s]                                 |                   | 200...3000                                                   |
| Greatest sensitivity [cm/s]                          |                   | 200...800                                                    |
| Accuracy / deviations                                |                   |                                                              |
| Repeatability [% of Sr]                              |                   | 1...5                                                        |
| Note on repeatability                                |                   | for water 5...100 cm/s; 25 °C                                |
|                                                      |                   | Factory setting                                              |
| Temperature drift [cm/s x 1/K]                       |                   | 0.1; (for water 5...100 cm/s; 10...70 °C)                    |
| Temperature gradient [K/min]                         |                   | 150                                                          |
| 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)      |
| Response times                                       |                   |                                                              |
| Response time [s]                                    |                   | 1...10                                                       |
| Software / programming                               |                   |                                                              |
| Adjustment of the switch point                       |                   | pushbutton                                                   |
| Operating conditions                                 |                   |                                                              |
| Ambient temperature [°C]                             |                   | -25...60                                                     |
| Protection                                           |                   | IP 67; IP 69K                                                |
| 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                                                          |

# SI6600



## Flow monitor

SIR11ABBFPKG/US-100-IPF

| Mechanical data          |      |                                                                                |
|--------------------------|------|--------------------------------------------------------------------------------|
| Weight                   | [g]  | 425.5                                                                          |
| Housing                  |      | cylindrical                                                                    |
| Dimensions               | [mm] | Ø 50 / L = 119                                                                 |
| 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 µm / Rz = 4 µm |
| Process connection       |      | threaded connection G 1 external thread Aseptoflex Vario                       |
| Probe diameter           | [mm] | 7.7                                                                            |
| Installation length EL   | [mm] | 20                                                                             |

| 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

