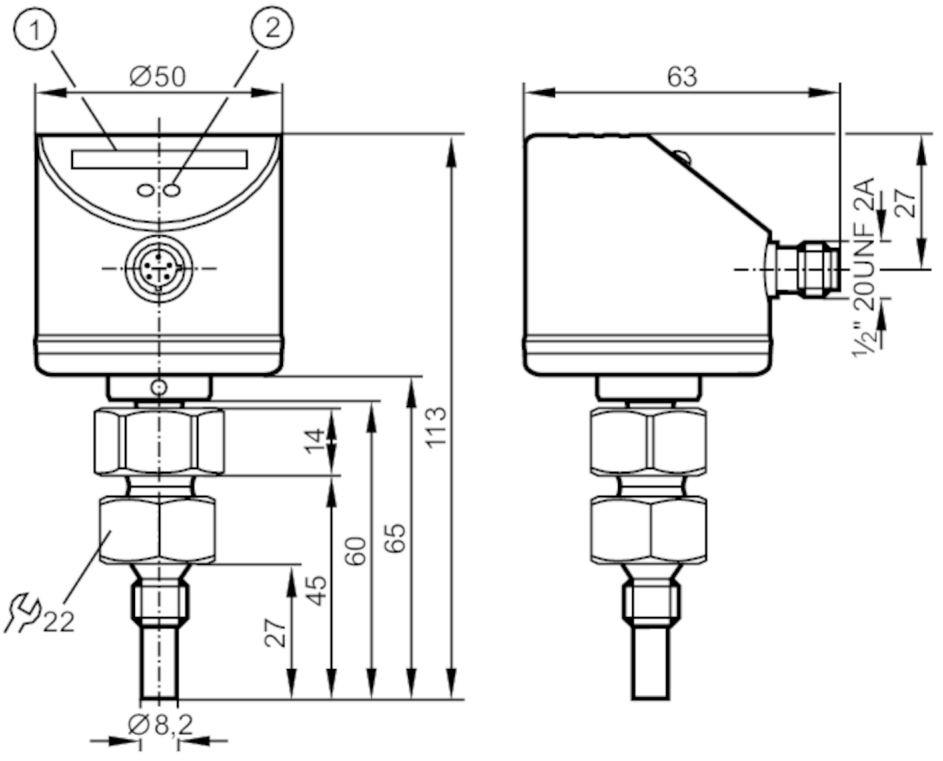
# SH0503

## Flow monitor

SID10ADBFKOW/LS-100-IRF

Article no longer available - archive entry




1 LED bar display
2 setting pushbutton

| | | |
|---|---|---|
| **Product characteristics** | | |
| Number of inputs and outputs | | Number of digital outputs: 1 |
| Process connection | | G 1/4 external thread |
| **Application** | | |
| Media | | Liquids; Gases |
| Medium temperature | [°C] | -25...80 |
| Pressure rating | [bar] | 300 |
| Liquids | | |
| Medium temperature | [°C] | -25...80 |
| Gases | | |
| Medium temperature | [°C] | -25...80 |
| **Electrical data** | | |
| Operating voltage tolerance | [%] | -5...10 |
| Operating voltage | [V] | 85...265 AC |
| Nominal voltage AC | [V] | < 240 |
| Protection class | | II |
| Reverse polarity protection | | no |
| Power-on delay time | [s] | 10 |

# SH0503

## Flow monitor

SID10ADBFKOW/LS-100-IRF

| | | |
|---|---|---|
| **Inputs / outputs** | | |
| Number of inputs and outputs | | Number of digital outputs: 1 |
| **Outputs** | | |
| Total number of outputs | | 1 |
| Output signal | | switching signal |
| Electrical design | | relay |
| Number of digital outputs | | 1 |
| Output function | | normally open / normally closed; (parameterisable) |
| Contact rating | | 3 A (250 V AC / 30 V DC); (number of switching cycles: 20 million mechanically; switching cycles at 3 A load: 100,000 electrical; type of switch-off: normally open) |
| Short-circuit proof | | no |
| Overload protection | | no |
| **Measuring/setting range** | | |
| 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 | [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) |
| **Response times** | | |
| Response time | [s] | 1...10 |
| Liquids | | |
| Response time | [s] | 1...10 |
| Gases | | |
| Response time | [s] | 1...10 |
| **Software / programming** | | |
| Adjustment of the switch point | | pushbutton |
| **Operating conditions** | | |
| Ambient temperature | [°C] | -25...80 |
| Storage temperature | [°C] | -25...100 |
| Protection | | IP 67 |

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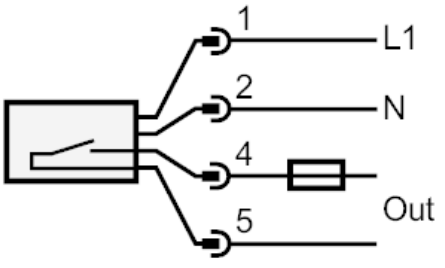
| | | | |
|---|---|---|---|
| **Tests / approvals** | | | |
| EMC | | EN 61000-4-2 ESD | 4 kV CD / 8 kV AD |
| | | EN 61000-4-3 HF radiated | 10 V/m |
| | | EN 61000-4-4 Burst | 2 kV |
| | | EN 61000-4-6 HF conducted | 10 V |
| Shock resistance | | DIN IEC 68-2-27 | 50 g (11 ms) |
| Vibration resistance | | DIN EN 60068-2-6 | 18 g (55...2000 Hz) |
| **Mechanical data** | | | |
| Weight | [g] | 304 | |
| Materials | | stainless steel (1.4404 / 316L); stainless steel (1.4301 / 304); PC; PBT-GF20; EPDM/X | |
| Materials (wetted parts) | | stainless steel (1.4404 / 316L); O-ring: FKM 80 Shore A | |
| Tightening torque | [Nm] | 25 | |
| Process connection | | G 1/4 external thread | |
| **Displays / operating elements** | | | |
| Display | | function | 10 x LED, three-colour |
| **Electrical connection** | | | |
| Required protection | | miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting | |
| **Remarks** | | | |
| Remarks | | Recommendation Check the safe functioning of the unit after a short circuit. | |
| Pack quantity | | 1 pcs. | |

## Electrical connection

Connector: 1 x 1/2"; coding: C




### Connection




Note miniature fuse to IEC60127-2 sheet 1 ≤ 5 A fast acting