

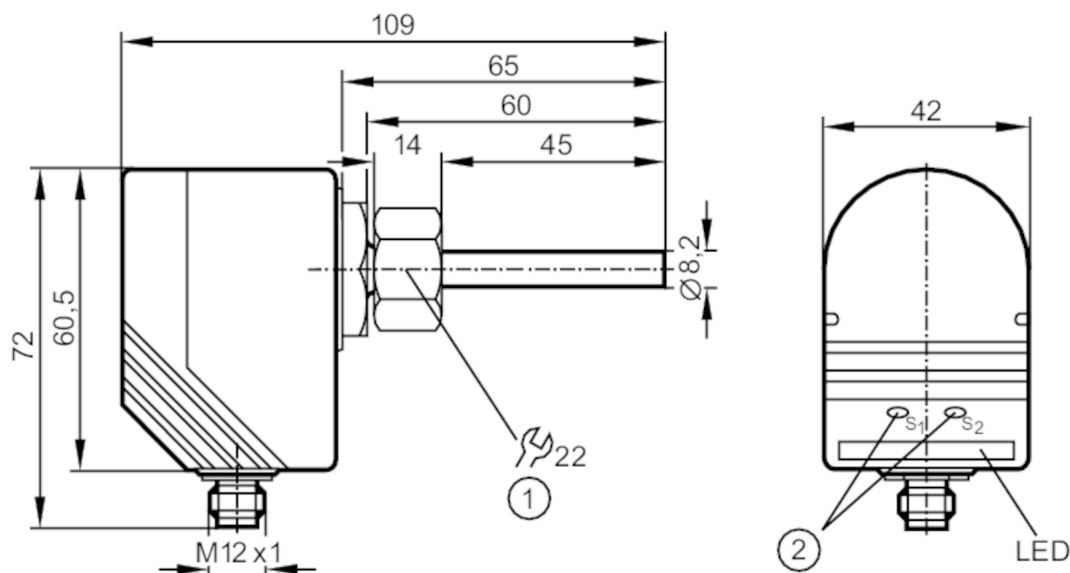
## Flow monitor

SID10ADBFPKG/US-100-IPF

Article no longer available - archive entry

Alternative articles: SI5010

When selecting an alternative article and accessories please note that technical data may differ!



- 1 internal thread M18 x 1.5  
2 setting pushbuttons



### Product characteristics

|                              |                              |
|------------------------------|------------------------------|
| Number of inputs and outputs | Number of digital outputs: 1 |
| Process connection           | M18 x 1,5 internal 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 [V]       | 20...36 DC; (to SELV/PELV) |
| Current consumption [mA]    | < 80                       |
| Reverse polarity protection | yes                        |
| Power-on delay time [s]     | 15; (optically indicated)  |

### Inputs / outputs

|                              |                              |
|------------------------------|------------------------------|
| Number of inputs and outputs | Number of digital outputs: 1 |
|------------------------------|------------------------------|



## Flow monitor

SID10ADBFPKG/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]             | 400                                                |
| Short-circuit protection                        |                  | yes                                                |
| Type of short-circuit protection                |                  | pulsed                                             |
| Overload protection                             |                  | yes                                                |
| Measuring/setting range                         |                  |                                                    |
| Probe length L                                  | [mm]             | 45                                                 |
| Liquids                                         |                  |                                                    |
| Setting range                                   | [cm/s]           | 3...300                                            |
| Greatest sensitivity                            | [cm/s]           | 3...60                                             |
| Gases                                           |                  |                                                    |
| Setting range                                   | [cm/s]           | 200...3000                                         |
| Greatest sensitivity                            | [cm/s]           | 200...800                                          |
| Accuracy / deviations                           |                  |                                                    |
| Temperature gradient                            | [K/min]          | 300                                                |
| 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                                           |
| Protection                                      |                  | IP 67                                              |
| Tests / approvals                               |                  |                                                    |
| Shock resistance                                | DIN IEC 68-2-27  | 50 g (11 ms)                                       |
| Vibration resistance                            | DIN EN 60068-2-6 | 20 g (55...2000 Hz)                                |
| Mechanical data                                 |                  |                                                    |
| Weight                                          | [g]              | 290                                                |
| Dimensions                                      | [mm]             | M18 x 1.5                                          |
| Thread designation                              |                  | M18 x 1.5                                          |
| Materials                                       |                  | PBT-GF20                                           |



Flow monitor

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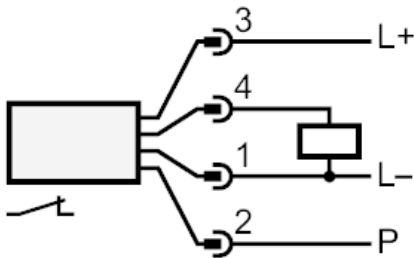
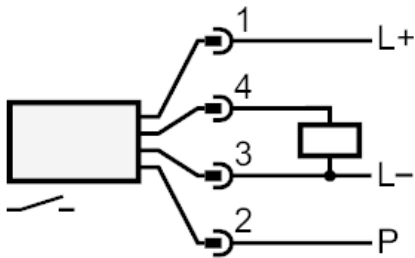
|                               |                                                       |                        |
|-------------------------------|-------------------------------------------------------|------------------------|
| Materials (wetted parts)      | stainless steel (316L/1.4404); O-ring: FKM 80 Shore A |                        |
| Process connection            | M18 x 1,5 internal thread                             |                        |
| Displays / operating elements |                                                       |                        |
| Display                       | function                                              | 10 x LED, three-colour |
| Remarks                       |                                                       |                        |
| Pack quantity                 | 1 pcs.                                                |                        |

Electrical connection

Connector: 1 x M12; coding: A



Connection



P = programming wire for remote calibration