

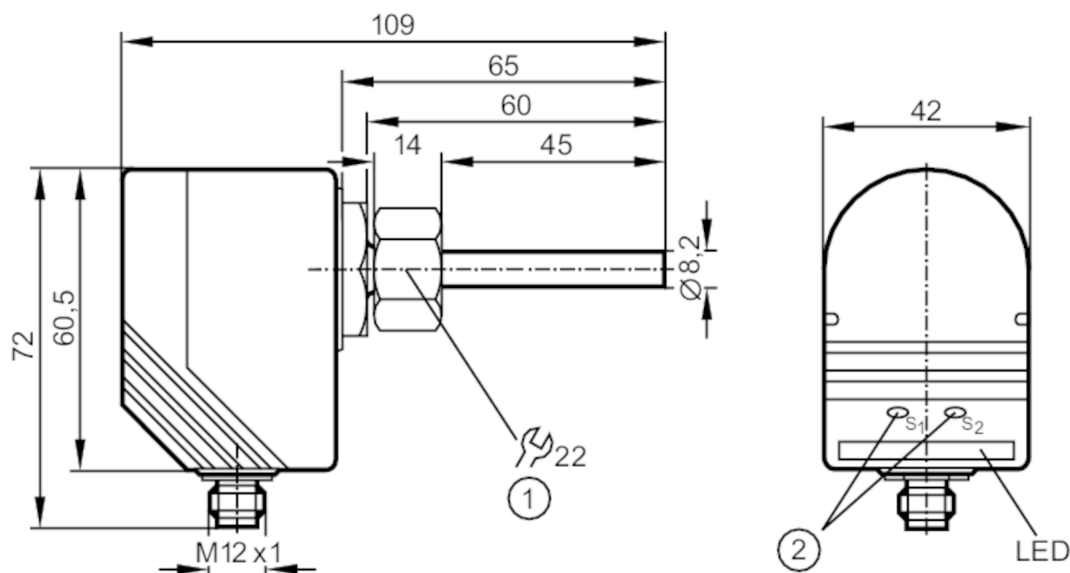
## Flow monitor

SID10ADBFPKG/US-100-IPF

Article no longer available - archive entry

Alternative articles: SI5002

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: 2 |
| 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]    | < 90                       |
| Reverse polarity protection | yes                        |
| Power-on delay time [s]     | 15; (optically indicated)  |

## Inputs / outputs

|                              |                              |
|------------------------------|------------------------------|
| Number of inputs and outputs | Number of digital outputs: 2 |
|------------------------------|------------------------------|

# SI1002



## Flow monitor

SID10ADBFPKG/US-100-IPF

| Outputs                                         |                  |                                                                     |
|-------------------------------------------------|------------------|---------------------------------------------------------------------|
| Total number of outputs                         |                  | 2                                                                   |
| Output signal                                   |                  | switching signal                                                    |
| Electrical design                               |                  | PNP                                                                 |
| Number of digital outputs                       |                  | 2                                                                   |
| Output function                                 |                  | normally open / closed; (configurable)                              |
| 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                |                  | yes (non-latching)                                                  |
| Overload protection                             |                  | yes                                                                 |
| Measuring/setting range                         |                  |                                                                     |
| 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                           |                  |                                                                     |
| Max. temperature gradient of medium             | [K/min]          | 300                                                                 |
| Reaction 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                  |                  | pushbuttons                                                         |
| 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                                 |                  |                                                                     |
| Dimensions                                      | [mm]             | M18 x 1.5                                                           |
| Thread designation                              |                  | M18 x 1.5                                                           |
| Material                                        |                  | PBT-GF20                                                            |
| Materials (wetted parts)                        |                  | stainless steel (1.4404 / 316L); O-ring: FPM 8 x 1,5 gr 80° Shore A |

SI1002



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|                               |                           |                       |
|-------------------------------|---------------------------|-----------------------|
| Process connection            | M18 x 1,5 Internal thread |                       |
| Displays / operating elements |                           |                       |
| Display                       | Function                  | 10 x LED, three-color |
| Remarks                       |                           |                       |
| Pack quantity                 | 1 pcs.                    |                       |

Electrical connection

Connector: 1 x M12; coding: A



Connection

