

# SI0504



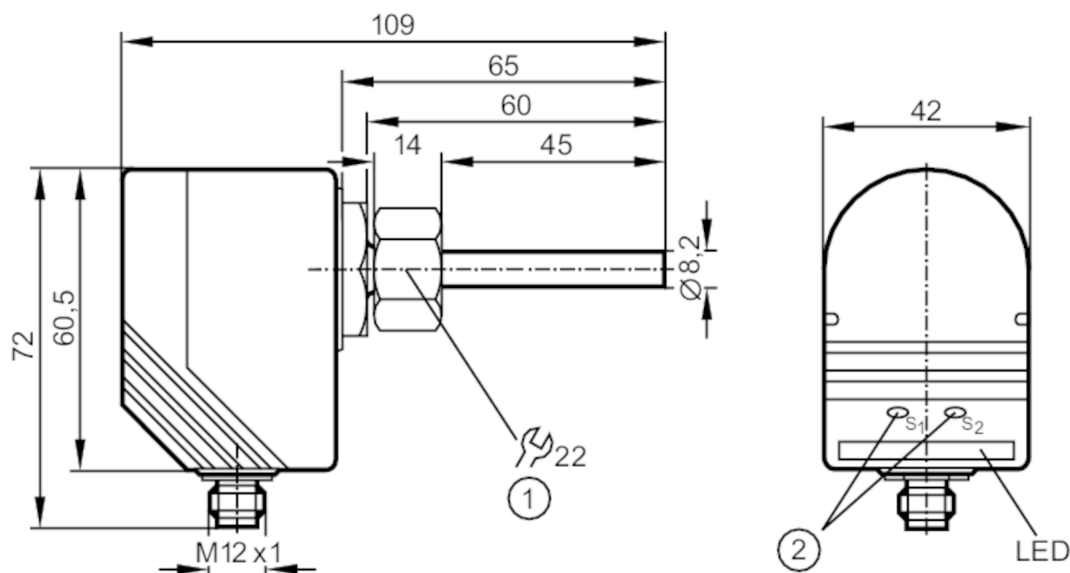
## Flow monitor

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 / closed; (configurable) |
| 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                |                  | yes (non-latching)                     |
| 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                           |                  |                                        |
| 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                                 |                  |                                        |
| Weight                                          | [g]              | 290                                    |
| Dimensions                                      | [mm]             | M18 x 1.5                              |
| Thread designation                              |                  | M18 x 1.5                              |

# SI0504



## Flow monitor

SID10ADBFPKG/US-100-IPF

|                          |                                                         |
|--------------------------|---------------------------------------------------------|
| Material                 | PBT-GF20                                                |
| Materials (wetted parts) | stainless steel (1.4404 / 316L); O-ring: FKM 80 Shore A |
| Process connection       | M18 x 1,5 Internal thread                               |

### Displays / operating elements

|         |          |                       |
|---------|----------|-----------------------|
| Display | Function | 10 x LED, three-color |
|---------|----------|-----------------------|

### Remarks

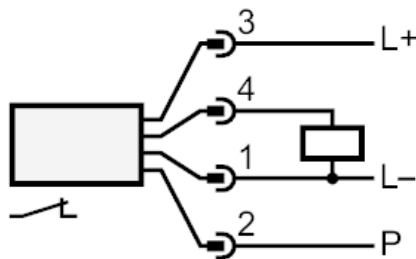
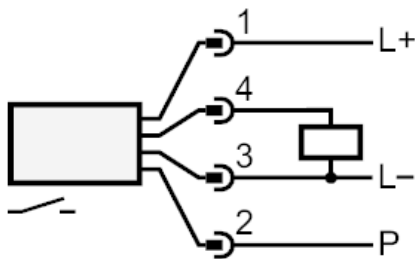
|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection

Connector: 1 x M12; coding: A



### Connection



P = programming wire for remote calibration