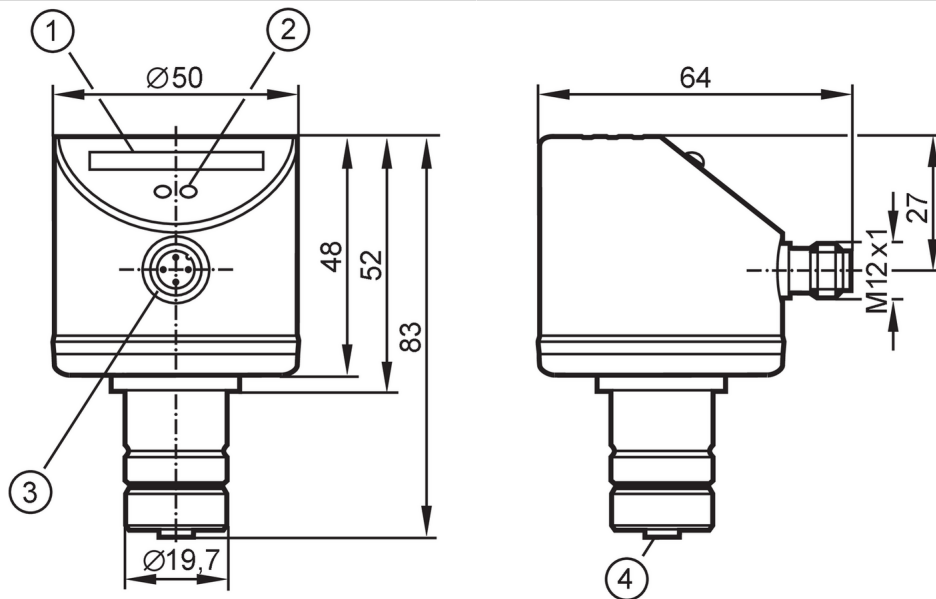


# SR5900



## Control monitor for flow sensors

SRM12XXBFPKG/



- 1 LED display
- 2 setting pushbutton
- 3 connection for voltage supply and output signals
- 4 connection for flow sensor



### Application

|             |                                        |
|-------------|----------------------------------------|
| Application | Flow monitoring; Wire break monitoring |
|-------------|----------------------------------------|

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 19...36 DC |
| Current consumption [mA]    | < 70       |
| Protection class            | III        |
| Reverse polarity protection | yes        |
| Power-on delay time [s]     | 10         |
| Number of channels          | 1          |

### Outputs

|                                                      |                                                                                                                          |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Electrical design                                    | PNP                                                                                                                      |
| Max. voltage drop switching output DC [V]            | 2.5                                                                                                                      |
| Permanent current rating of switching output DC [mA] | 250                                                                                                                      |
| Switching function flow monitoring                   | output switches when flow is present: ON for output function = normally open / OFF for output function = normally closed |
| Short-circuit protection                             | yes                                                                                                                      |
| Overload protection                                  | yes                                                                                                                      |

### Software / programming

|                                |             |
|--------------------------------|-------------|
| Adjustment of the switch point | pushbuttons |
|--------------------------------|-------------|

### Operating conditions

|                          |                               |
|--------------------------|-------------------------------|
| Ambient temperature [°C] | -20...60                      |
| Protection               | IP 67; (with sensor attached) |

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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           | 30 g (6 ms)        |
| Vibration resistance | DIN IEC 68-2-6            | 5 g (55...2000 Hz) |
| MTTF                 | [years]                   | 342                |

| Mechanical data |      |                                                                                              |
|-----------------|------|----------------------------------------------------------------------------------------------|
| Weight          | [g]  | 225.5                                                                                        |
| Housing         |      | tubular                                                                                      |
| Dimensions      | [mm] | Ø 50 / L = 83                                                                                |
| Material        |      | stainless steel (1.4404 / 316L); stainless steel (1.4301 / 304); PC; PBT-GF20; EPDM/X; brass |

| Displays / operating elements |                  |                                         |
|-------------------------------|------------------|-----------------------------------------|
| Display                       | Function         | LED, bar graph                          |
|                               | Switching status | LED, orange flash in case of wire break |

| Remarks       |                                                                                           |        |
|---------------|-------------------------------------------------------------------------------------------|--------|
| Remarks       | connection for flow sensor without short-circuit protection / reverse polarity protection |        |
|               | The flow sensor must be directly connected to the control monitor.                        |        |
|               | A connection by means of extension cables is not allowed.                                 |        |
| Pack quantity |                                                                                           | 1 pcs. |

### Electrical connection

Connector: 1 x M12; coding: A; Contacts: 4



### Connection

