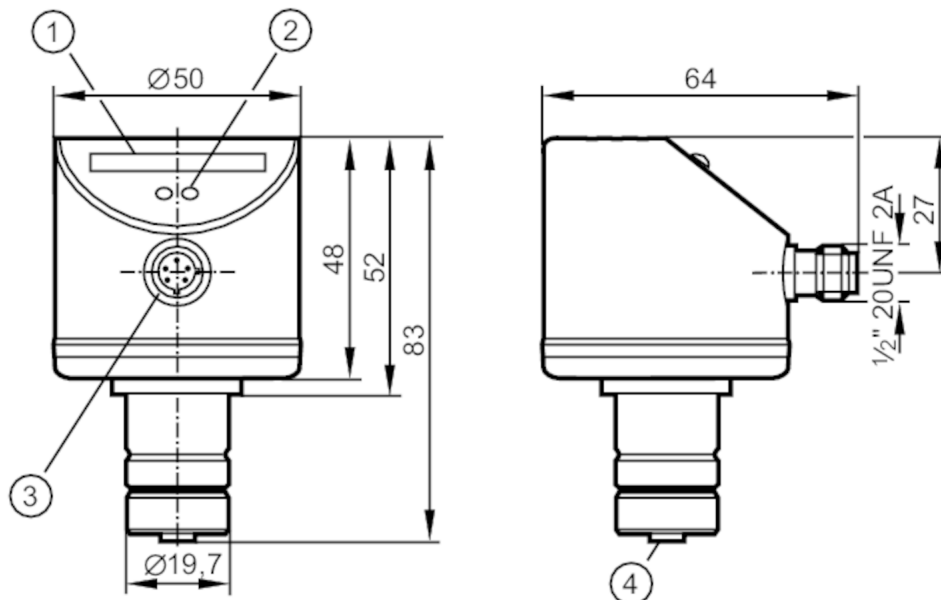


# SR5906



## Control monitor for flow sensors

SRM12XXAKOW/LS-100-IRF



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



| Application                        |                                                                                                                          |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Application                        | Flow monitoring; Wire monitoring                                                                                         |
| Electrical data                    |                                                                                                                          |
| Operating voltage tolerance [%]    | -5...10                                                                                                                  |
| Operating voltage [V]              | 85...265 AC                                                                                                              |
| Nominal voltage AC [V]             | 90...240                                                                                                                 |
| Nominal frequency AC [Hz]          | 45...65                                                                                                                  |
| Protection class                   | II                                                                                                                       |
| Reverse polarity protection        | no                                                                                                                       |
| Power-on delay time [s]            | 10                                                                                                                       |
| Number of channels                 | 1                                                                                                                        |
| Outputs                            |                                                                                                                          |
| Electrical design                  | relay                                                                                                                    |
| Contact rating                     | 3 A (250 V AC / 30 V DC); (switching cycles at 3 A load: 100.000; type of switch-off: normally open)                     |
| Switching cycles (mechanical)      | 20_Millionen                                                                                                             |
| 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           | no                                                                                                                       |
| Overload protection                | no                                                                                                                       |

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| Software / programming                                                              |                                                                                              |                                         |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------|
| Adjustment of the switch point                                                      | pushbutton                                                                                   |                                         |
| Operating conditions                                                                |                                                                                              |                                         |
| Ambient temperature                                                                 | [°C]                                                                                         | -20...60                                |
| Protection                                                                          | IP 67; (with sensor attached)                                                                |                                         |
| 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]                                                                                      | 209                                     |
| Mechanical data                                                                     |                                                                                              |                                         |
| Weight                                                                              | [g]                                                                                          | 244.5                                   |
| Materials                                                                           | 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 |
| Electrical connection                                                               |                                                                                              |                                         |
| Required protection                                                                 | miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting                                     |                                         |
| 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.                                    |                                         |
|                                                                                     | Recommendation Check the safe functioning of the unit after a short circuit.                 |                                         |
| Pack quantity                                                                       | 1 pcs.                                                                                       |                                         |
| Electrical connection                                                               |                                                                                              |                                         |
| Connector: 1 x 1/2"                                                                 |                                                                                              |                                         |
|  |                                                                                              |                                         |

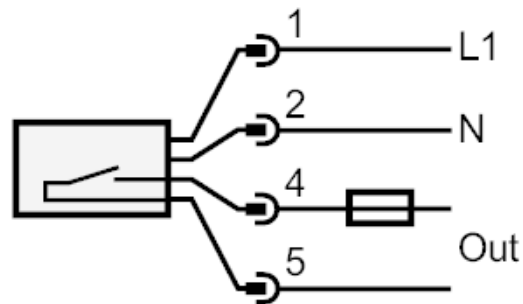
# SR5906



## Control monitor for flow sensors

SRM12XXAKOW/LS-100-IRF

### Connection



n.c. = not used

Note miniature fuse to IEC60127-2 sheet 1  $\leq 5$  A fast acting

Caution no protective insulation between relay circuit and supply voltage