

## Pulse sensor MD-02



**Reed sensor MD-02** is designed for transmission of signals from the gas counter BK (company ELSTER METRONIKA, PREMAGAS, etc.) to radio module D100FC.

The sensor is used in conjunction with the radio module D100FC or independently.

Sensor has a resistor connected in series with the reed, to determine the short-circuit sensor or cable, as well as parallel-connected diode to determine the breakage sensor or cable.

### Basic Specifications

---

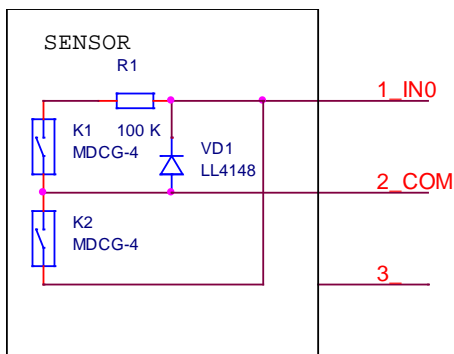
|   |                  |
|---|------------------|
| Ambient temperature, up to, °C                                      | 75               |
| The range of switched current, A                                    | 0,000005 .. 0,05 |
| The range of switching voltages, V                                  | 1 .. 24          |
| Breaking capacity of active load of not more than, W                | 0,25             |
| Output in the electrical resistance is open, Ohm, not less than     | $10^7$           |
| Mean time to failure of sensor with voltage up to 4 V, no less than | $10^9$           |
| The degree of protection against dust and water                     | IP68             |

---

### Features

- \* The duration of the pulse depends upon the flow rate
- \* When you stop counter, pulse may be continuous ON or OFF
- \* Standard cable length - 200 mm (other lengths on request)
- \* The sensor is designed for continuous operation
- \* The sensor is a non-recoverable product.
- \* The life of the sensor is not less than 12 years but not more than  $10^9$  pulses.
- \* The method of fastening - self-locking mechanism sensor
- \* Sealing - seal self-destructs

### Connection



### Marking:

- 1\_IN0 - insulated wire - the main output pulse
- 2\_COM - Shield (braided cable) - common wire
- 3 - No connect