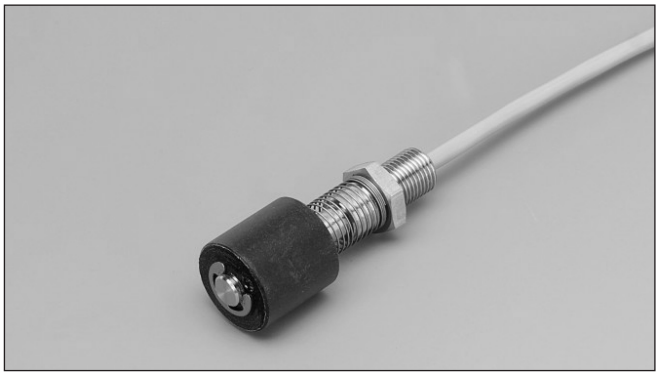
# Flux Sensors
# FLM Series



- **M10 x 1 diameter**
- **Stainless steel body**
- **Temperature resistant plastic float**
- **NO output function**
- **Mechanical life $10^9$ cycles**
- **Cable ended with Faston output connection**

## Product Description

The FLM.A.1/S1 sensor is a magnetic flux meter switch. To work correctly, the flux of the liquid material must push the float against the spring: when the flux is sufficiently high to move the float of a fixed distance from the seeger block, the sensor switches ON.

When the flux decreases, the spring pushes the float towards the seeger block and the contact switches OFF. All the materials (AISI 316 for the rod and the spring and plastic high temperature resistant material for the float) allow to use this sensor over a wide range of applications.

## Ordering Key

**FLMA.1/S1**

**Type**
**Output Function**
**Reed Contact Type**
**Special Version**

## General specification

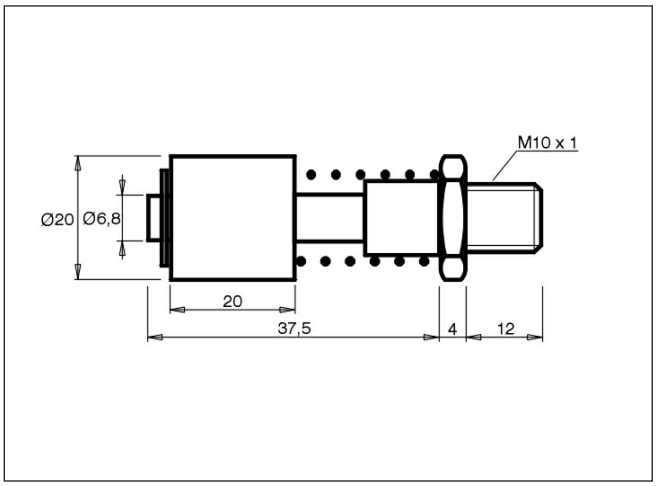
| | |
|---|---|
| **External dimensions** | M10x1 |
| **Output function** | NO |
| **Operating distance** | Don 5 mm |
| **Release distance Doff** | Don – 2 mm |
| **Mechanical life** | $10^9$ cycles @ no load |
| **Electrical life** | 5 x $10^8$ cycles @ low load |
| **Case and spring** | Stainless steel |

| | |
|---|---|
| **Float** | Temperature resistant plastic material |
| **Protection degree** | IP67 |
| **Operating temperature** | -30 to +105 °C |
| **Output connection** | HT105 PVC Cable ended with 6.35 mm faston receptacle |

## Electrical specifications

| | |
|---|---|
| Max switching voltage contact | 200Vac |
| Max switching current contact | 0,4 A |
| Max switching power contact | 10 VA |
| Max carry current | 0,75 A |

## Dimensions




## Wiring Diagrams