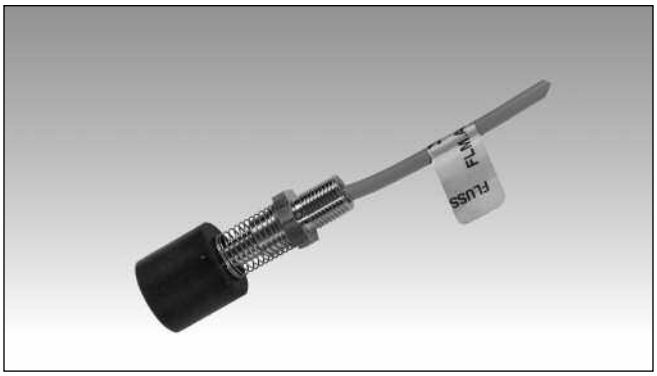
Proximity Magnetic Sensors
Flux Sensors
FLM Series



- **Cylindrical magnetic flux sensor with stainless steel rod and spring**
- **Plastic high temperature resistant float**
- **NO output function**
- **Cable ended with faston output connection**

Product Description

The FLMA1S1 sensor is a magnetic flux meter switch. It works correctly when the flux of the liquid material push the float against the spring: when the flux is sufficiently high to move the float to 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

FLM A 1 S1

Type
Output function
Reed contact type
Special version

Type Selection

Float diameter	Connection	Output function	Reference
Ø 20	HT105 PVC cable ended with 6.35 mm female faston L= 1.2m	NO	**FLM A 1 S1**

Diameters are specified in millimeters (mm)

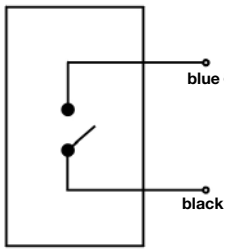
Output Specifications

Output	NO
Contact ratings	
Max Switching Voltage	100 VAC
Max Switching Current	0.4 A
Max Switching Power	10 VA
Max Carry Current	0.75 A

General Specifications

Operating temperature	-30 to +105 °C
Degree of protection	IP67
Float	
Diameter	Ø 20 mm
Material	Plastic
Characteristic	High temperature resistant
Spring and rod	
Material	AISI 316 stainless steel
Thread diameter	M10 x 1 mm
Operating distance D_{on}	+ 5 mm
Release distance D_{off}	D_{on} - 2 mm
Mechanical life	10^9 cycles @ no load
Electrical life	5 x 10^8 cycles @ low load
CE-marking	Yes

Wiring Diagram



Output function NO

Dimensions

