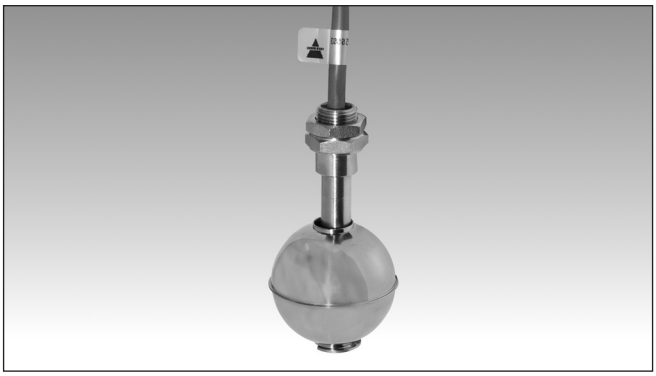
Proximity Magnetic Sensors
Level Magnetic Sensors
ILM Series

CARLO GAVAZZI



- **Spheric AISI 316 stainless steel housing**
- **NO, NC or CO output functions**
- **Silicone or PVC cable output connection**
- **Reversible output function by float overturning**
- **Suitable for direct contact with foodstuff**

Product Description

The ILM models, made of stainless steel, are composed by a float sliding all along a rod.

By a simple rod or float overturning it is possible to reverse the output function.

Ordering Key

ILM S 2

Type
Output function
Reed contact type

Type Selection

Float diameter	Connection	Output function	Food Contact approval**	Reference
Ø 53	Silicone cable L= 0.5m	NO, NC*	YES	**ILM.2**
Ø 53	Silicone cable L= 0.5m	NO, NC*	YES	**ILM 8**
Ø 53	Silicone cable L= 0.5m	CO	YES	**ILM S 2**

Diameters are specified in millimeters (mm)
*** Reversible output function by float overturning**
**** See Food Contact approvals on page 2**

Output Specifications

Output	
ILM.2, ILM8	NO, NC
ILMS2	Change-over
Contact ratings	
Max Switching Voltage	
ILM.2	250 VAC
ILM8	1500 VAC
ILMS2	230 VAC
Max Switching Current	
ILM.2	3 A
ILM8	3 A
ILMS2	1 A
Max Switching Power	
ILM.2	100 VA
ILM8	120 VA
ILMS2	60 VA

General Specifications

Operating temperature	-25 to +120 °C
Degree of protection	IP 67
Float	
Diameter	Ø 53 mm
Material	AISI 316 stainless steel
Min liquid specific gravity	0.75 kg/dm^3
Max pressure	20 kg/cm^2
CE-marking	Yes

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Food Contact approvals for ILM.2, ILM8 and ILMS2 sensors

ILM series sensors fulfil the requirements on materials and articles used for food contact as described in:

- Regulation 1935/2004/EC
- Regulation 2023/2006/EC
- Regulation 10/2011/EC
- Danish executive order, BEK nr 681 as of 25.05.2020
- FDA 21 CRF § 177.2600 as rubber articles for repeated use
- BfR XV, Silicone as of 01.06.2019
- Italian Decree 195 of 6 August 2015

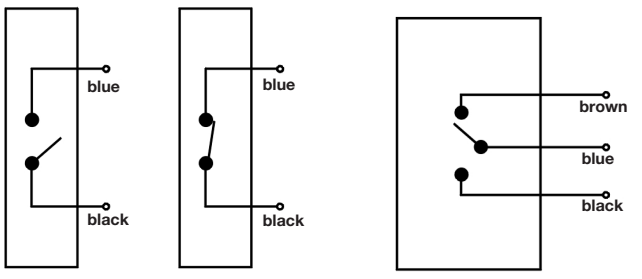
ILM series sensors are suitable for direct contact with foodstuff, in any contact conditions that includes:

- heating up to 70°C for up to 2 hours, or up to 100°C for up to 15 minutes, which are not followed by long term room or refrigerated temperature storage.
- Ratio of food contact surface area to volume: 4 dm^2/l

ILM series sensors are tested according to:

- Water reflux 7 hours + 2 hours, FDA 21 CRF § 177.2600
- n-Hexane reflux 7 hours + 2 hours, FDA 21 CRF § 177.2600
- Peroxide value, BfR XV, on silicone

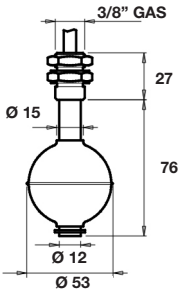
Wiring Diagrams



Output function NO or NC

Output function CO

Dimensions



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