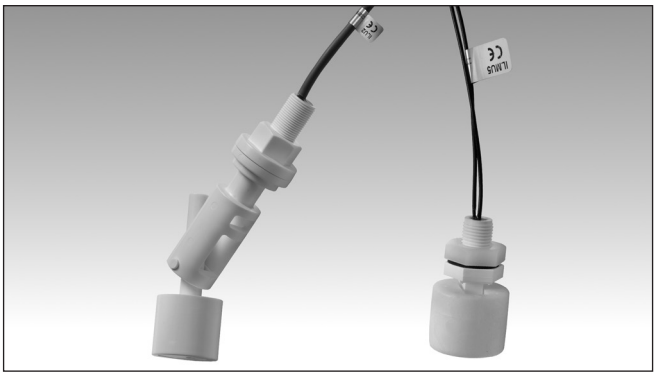
Proximity Magnetic sensors
Level Magnetic Sensors
ILMPU, ILU and ILMU Series

CARLO GAVAZZI



- **Cylindrical, non toxic polypropylene housing**
- **NO, NC or CO output functions**
- **Reversible output function by sensor housing over turning**
- **XLPE, PVC or silicone cable output connection**
- **Horizontal mounting**
- **ILU series sensors are suitable for direct contact with foodstuff**

Product Description

These models, for horizontal mounting, are made in non-toxic polypropylene.
The ILMPU model, the smallest one, can be used both as a NO and NC function depending on mounting direction

Ordering Key

ILU S2

Type
Reed contact type

Type Selection

Float diameter	Connection	Output function	Food Contact approval**	Reference
Ø 17.5 mm	XLPE cable L= 0.3 m	NO, NC*	NO	**ILMPU 5**
Ø 31 mm	PVC cable L= 0.3 m	NO, NC*	NO	**ILMU 5**
Ø 45 mm	Silicone cable L= 0.5 m	NO	YES	**ILU 2**
Ø 45 mm	Silicone cable L= 0.5 m	NO	YES	**ILU 8**
Ø 45 mm	Silicone cable L= 0.5 m	CO	YES	**ILU S 2**

*** Reversible output function by sensor housing overturning**

**** See Food Contact approvals on page 2**

Output Specifications

Output	
ILMPU5, ILMU5	NO, NC
ILU2, ILU8	NO
ILUS2	Change-over
Contact ratings	
Max Switching Voltage	
ILU2	250 VAC
ILMPU5, ILMU5	240 VAC, 200 VDC
ILU8	1000 VAC
ILUS2	230 VAC
Max Switching Current	
ILU2	3 A
ILMPU5, ILMU5	0.5 A
ILU8	3 A
ILUS2	1 A
Max Switching Power	
ILU2	100 VA
ILMPU5, ILMU5	50 VA
ILU8	120 VA
ILUS2	60 VA

General Specifications

Operating temperature	
ILMPU5, ILMU5	-20 to +80 °C
ILU2, ILU8, ILUS2	-25 to +100 °C
Degree of protection	IP 68 (cable output IP67)
Float	
Diameter	
ILMPU5	Ø 17.5 mm
ILMU5	Ø 31 mm
ILU2, ILU8, ILUS2	Ø 45 mm
Material	non toxic polypropylene
Min liquid specific gravity	
ILMPU5, ILMU5	0.70 kg/dm^3
ILU2, ILU8, ILUS2	0.75 kg/dm^3
Max pressure	
ILMPU5, ILMU5	2 kg/cm^2
ILU2, ILU8, ILUS2	100 kg/cm^2
CE-marking	Yes

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Food Contact approvals for ILU2, ILU8 and ILUS2 sensors

ILU 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

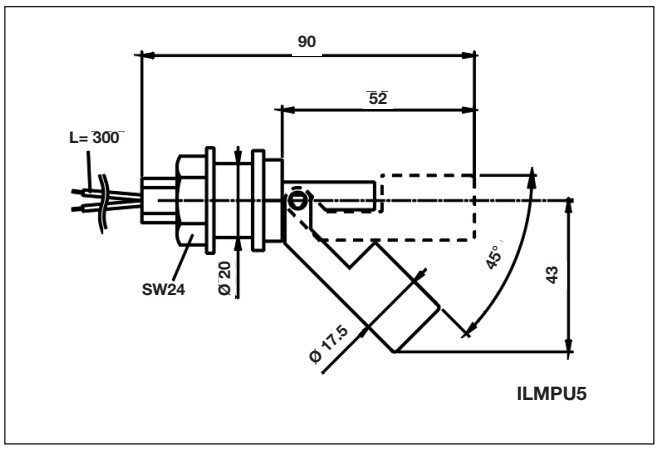
ILU series sensors are suitable for direct contact with foodstuff, in any contact conditions that includes:

- 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

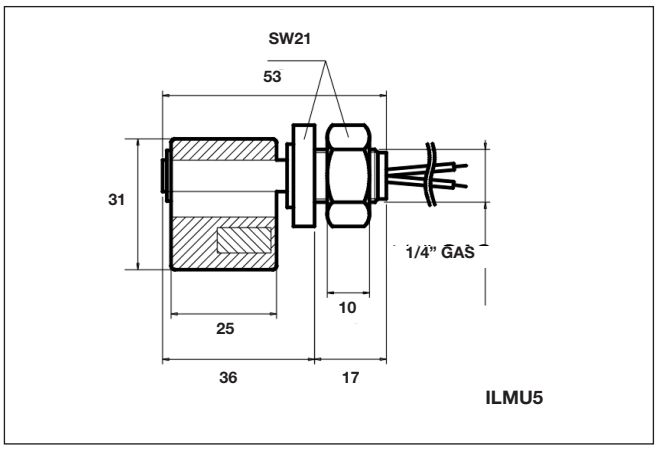
ILU series sensors are tested according to:

- Overall Migration repeated test Regulation 10/2011
- Sensory analysis, Regulation 1935/2004/EC
- 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

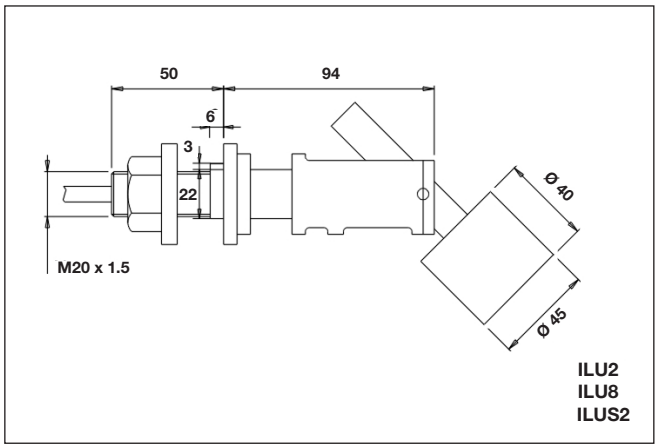
Dimensions



ILMPU5



ILMU5

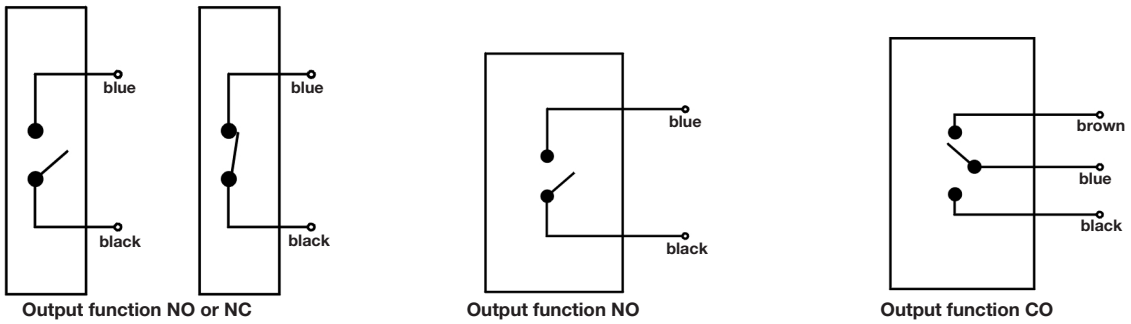


ILU2
ILU8
ILUS2

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Wiring Diagrams



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