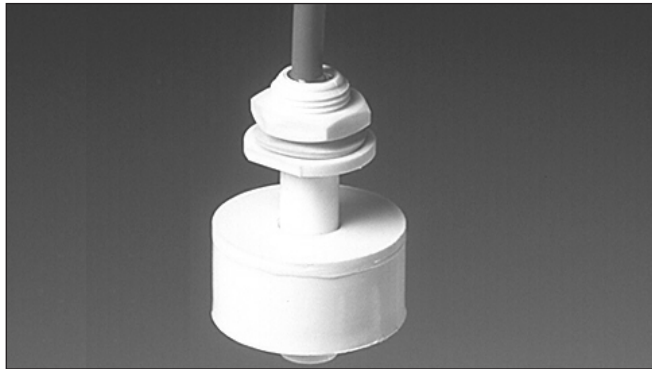


Level Magnetic Sensors ILSP Series



- Non-toxic polypropylene body
- NO, NC or Change-over output function
- Reversible output function by float overturning
- Silicone cable output connection

Product Description

The ILSP models, made of nontoxic polypropylene, allow the change of the output function by turning the float or the rod.

Ordering Key

Art.No	Type	Float diameter	Output function	Operating temperature
1901-019	ILSP.2	Ø 44 mm	NO, NC, Change-over	-25 ÷ +100 °C
1901-020	ILSP.8			
1901-021	ILSP.S.2			
1901-022	ILSP.3M/S2	Ø 25 mm	NO	-20 ÷ +80 °C

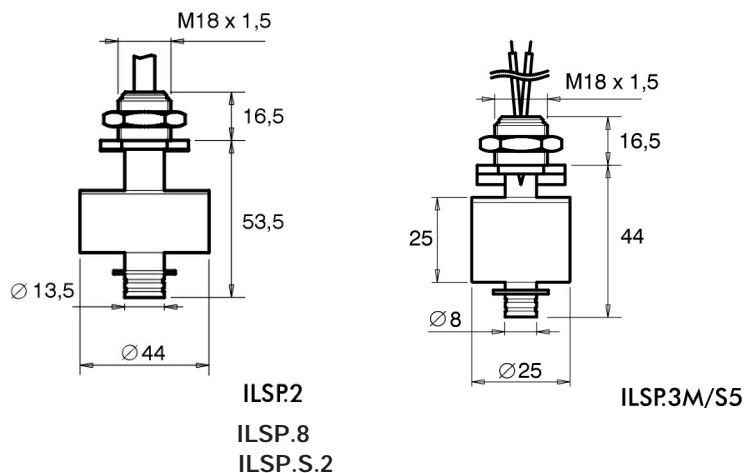
General specification

Min liquid specific gravity		
ILSP.3M/S2		0,65 Kg/dm ³
ILSP.2 ILSP.8 ILSP.S.2		0,75 kg/dm ³
Max pressure		
ILSP.3M/S2		2 kg/cm ²
ILSP.2 ILSP.8 ILSP.S.2		6 kg/cm ²
Case		Plastic
Protection degree		IP68 (Cable output IP 67)
Output connection		Silicone Cable

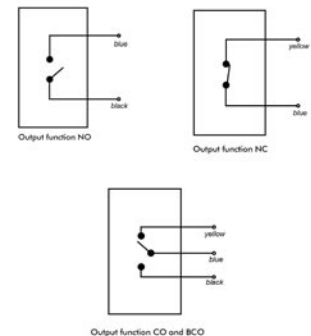
Electrical specifications

Contacts	2	8	S.2	3M
Max switching voltage	250 Vac	1500 Vac	220 Vac	500 Vac
Max switching current	3 A	3 A	1 A	0,5 A
Max switching power	100 VA	120 VA	60 VA	10 VA

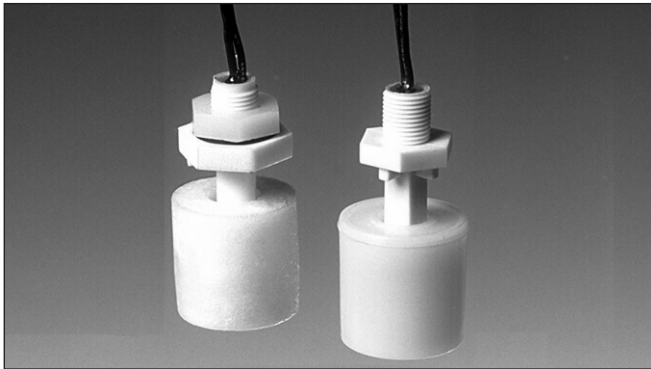
Dimensions



Wiring Diagrams



Level Magnetic Sensors ILMP Series



- Non-toxic polypropylene body
- Extremely small dimensions
- NO or NC output function
- Vertical or horizontal mounting
- Excellent electrical features

Product Description

The micro magnetic level switches are characterized by excellent electrical features and extremely small dimensions. They are manufactured in non-toxic polypropylene; they

Ordering Key

Art.No	Type	Min liquid specific gravity	Weight
1910-001	ILMP.5	0,65 Kg / dm ³	15 g
1910-002	ILMP.5/P	0,7 Kg / dm ³	18 g

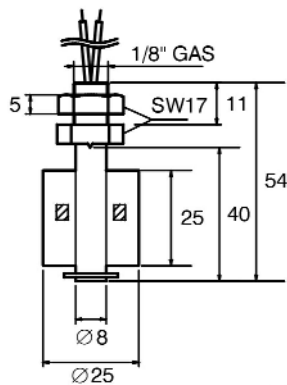
General specification

Float diameter	Ø 25 mm
Output function	NO, NC
Max pressure	2 kg/cm ²
Case	Plastic
Protection degree	IP68 (cable output IP 67)
Operating temperature	-20 ÷ +80 °C
Output connection	PVC Cable

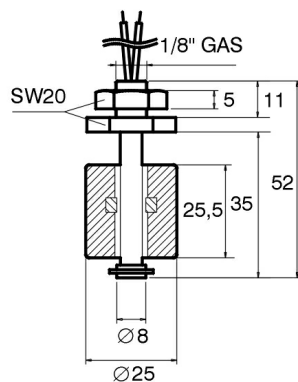
Electrical specifications

Max switching voltage contact	240 Vac, 200 Vdc
Max switching current contact	0,5 A
Max switching power contact	50 VA

Dimensions

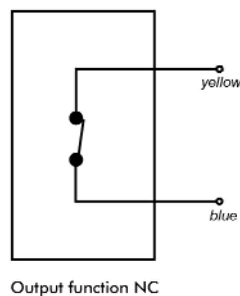
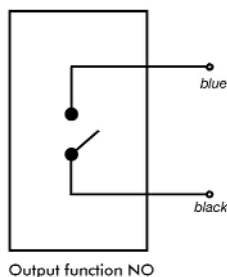


ILMP.5

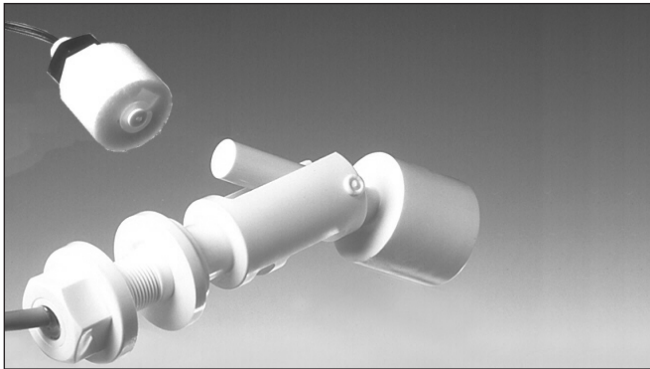


ILMP.5/P

Wiring Diagrams



Level Magnetic Sensors ILMPU, ILU and ILMU Series



- Non toxic polypropylene or plastic body
- NO, NC or Change-over output function
- Horizontal mounting
- PVC or silicone cable output connection

Product Description

The ILU and ILMPU models, for horizontal mounting, are also made in non-toxic polypropylene. The ILMPU model, extremely small dimensioned, can be

used both as a NO function and NC function depending on mounting direction. The ILMU models, also for horizontal mounting, is made in plastic material.

Ordering Key

Art.No	Type	Float diameter	Output function	Operating temperature
1901-013	ILMPU.5	Ø 17,5 mm	NO, NC	-20 ÷ +80 °C
1901-014	ILMU.5	Ø 31 mm		
1901-015	ILU.2	Ø 45 mm	NO, Change-over	-25 ÷ +100 °C
1901-016	ILU.8			
1901-017	ILU.S.2			
1901-018	ILU.S.2/S1			

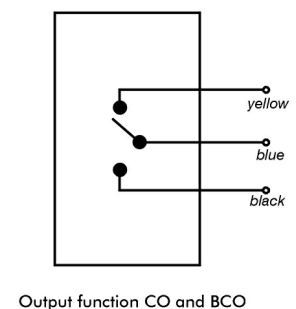
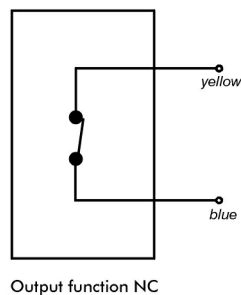
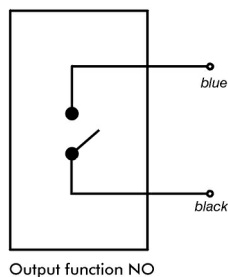
General specification

Min liquid specific gravity	
ILMPU ILMU	0,7 kg/dm ³
ILU	0,75 kg/dm ³
Max pressure	
ILMPU ILMU	2 kg/cm ²
ILU	100 kg/cm ²
Case	Plastic
Protection degree	IP68
Output connection	Silicone Cable

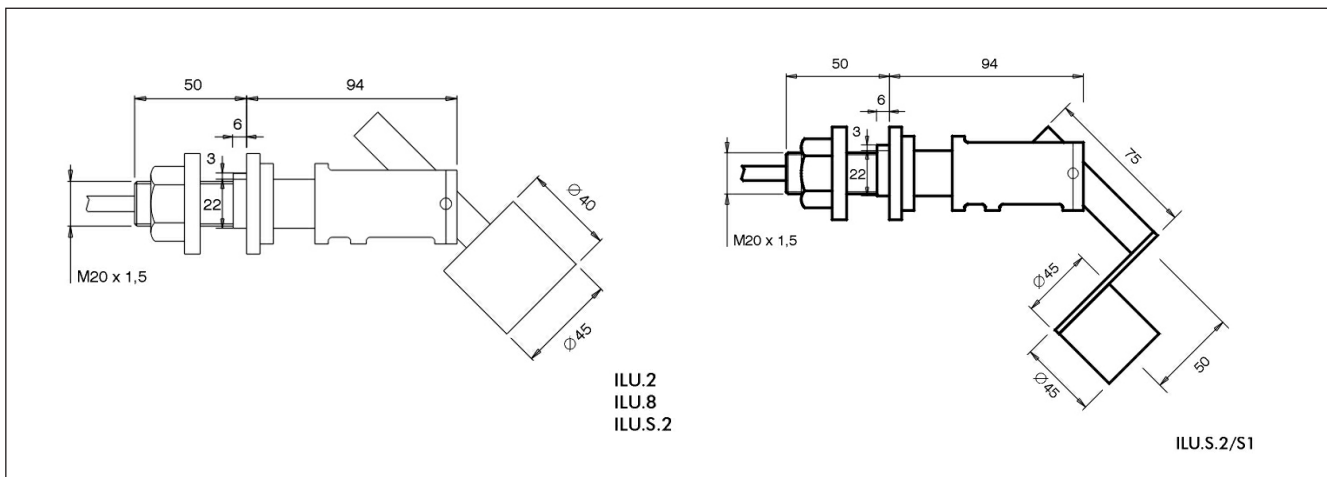
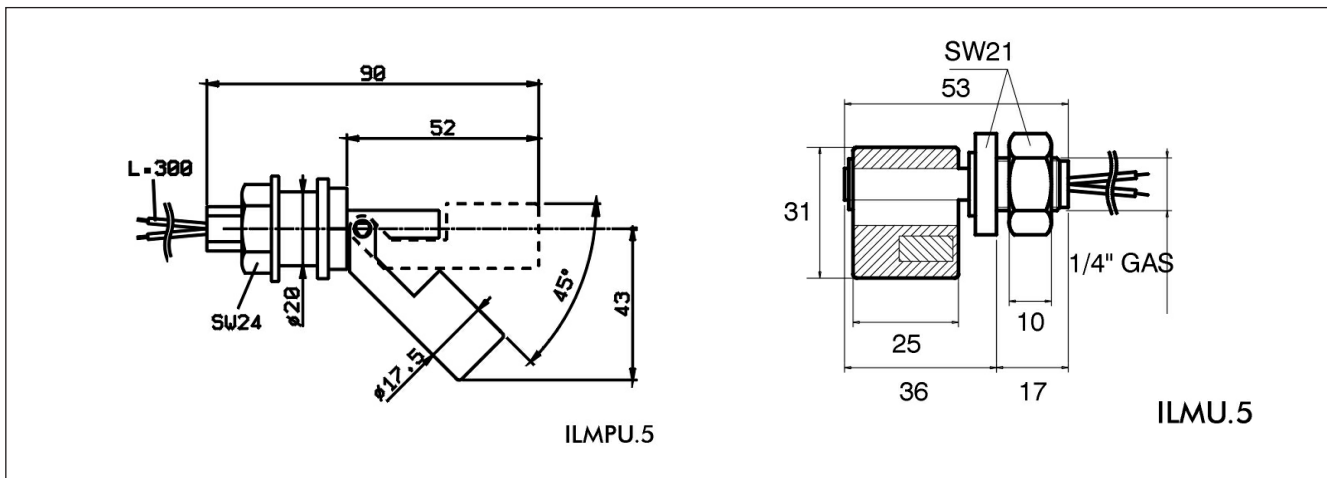
Electrical specifications

Contacts	2	5	8	S.2
Max switching voltage	250 Vac	240 Vac / 200 Vdc	1500 Vac	220 Vac
Max switching current	3 A	0,5 A	3 A	1 A
Max switching power	100 VA	50 VA	120 VA	60 VA

Wiring Diagrams



Dimensions



Level Magnetic Sensors ILM and ILC Series



- AISI 316 stainless steel body
- Reversible output function by float overturning
- Silicone or PVC cable output connection
- ILC: rod, contacts and float under specification of the customer

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. The ILC models represent an extension of the ILM type and

are produced only upon request. The customer can specify the rod length (2.5 m max), the type, the number and the position of the contacts and the number of the floats.

Ordering Key

Art.no	Type	Operating temperature	Output connection	Explosive environment application	Output function
1901-001	ILM.2	-25 ÷ +120 °C	Silicone cable	-	NO, NC
1901-002	ILM.8				NO, NC
1901-003	ILM.S.2				Change-over
1901-004	ILM.S.2/EX+GS50	-25 ÷ +70 °C	PVC Cable	Yes	Change-over
1901-005	ILM.S.2/EX/5MT+GC45X55				Change-over
1901-006	ILC	-25 ÷ +80 °C		-	Change-over

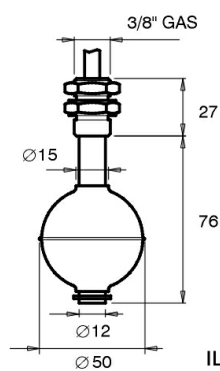
General specification

Float dimensions	Ø 50 mm ILM.S.2/EX/5MT+GC45X55: Cylindrical float 45X55 mm
Min liquid specific gravity	0,75 kg/dm ³
Max pressare	20 kg/cm ²
Case	AISI 316 stainless steel
Protection degree	IP67

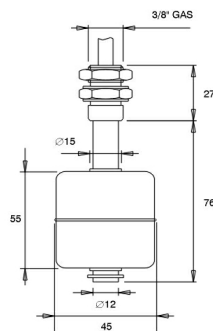
Electrical specifications

Contacts	2	8	S.2
Max switching voltage	250 Vac	1500 Vac	220 Vac
Max switching current	3 A	3 A	1 A
Max switching power	100 VA	120 VA	60 VA

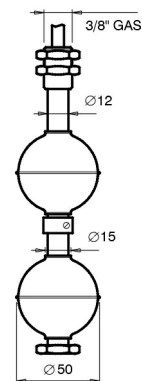
Dimensions



ILM.2 ILM.8 ILM.S.2
ILM.S.2/EX+GS50

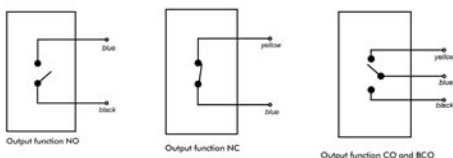


ILM.S.2/EX/5MT+GC45X55



ILC

Wiring Diagrams



Level Magnetic Sensors ILMM Series



- AISI 304 or 316 stainless steel body
- NO or NC output function
- Suited for use in corrosive environments
- High temperature versions available
- XLPE cable output connection

Product Description

The stainless steel models can be used also in corrosive environments. The micro level switches find their ideal application in food, chemical and oil industries. The ILMM.5/S1 model is also available in /S2 version with 1/8" gas thread.

Ordering Key

Art.No	Type	Operating temperature	Output connection	Case Material
1901-007	ILMM.5	-10 ÷ +120 °C	NO, NC	AISI 304 stainless steel
1901-008	ILMM.5/90	-10 ÷ +200 °C		
1901-009	LMM.5/AT/S1	-10 ÷ +200 °C		
1901-010	ILMM.5/S2/AT		NO	AISI 316 stainless steel
1901-011	ILMM.5/S1	-20 ÷ +120 °C		
1901-012	ILMM.5/S2			

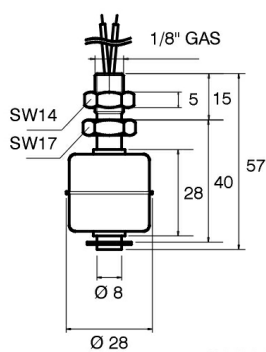
General specification

Float diameter	Ø 28 mm
Min liquid specific gravity	0,75 kg/dm ³
Max pressure	10 kg/cm ²
Protection degree	IP68 (Cable output IP 67)
Output connection	XLPE Cable
Special applications	ILMM.5/AT/S1 ILMM.5/S2/AT High temperature versions

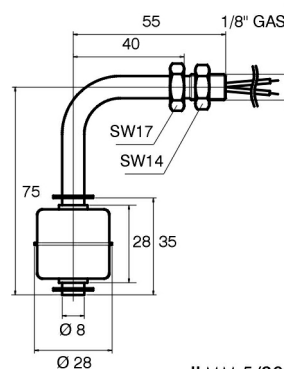
Electrical specifications

Max switching voltage contact	240 Vac , 220 Vdc
Max switching current contact	0,5 A
Max switching power contact	50 VA

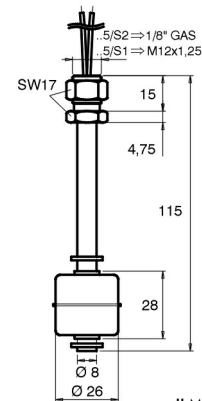
Dimensions



ILMM.5 ILMM.5/AT/S1

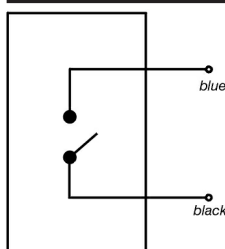


ILMM.5/90

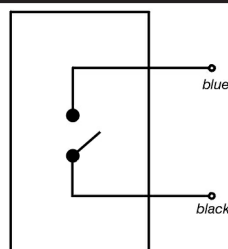


ILMM.5/S1 ILMM.5/S2
ILMM.5/S2/AT

Wiring Diagrams



Output function NO



Output function NO

Specifications are subject to change without notice (2003-07-26)