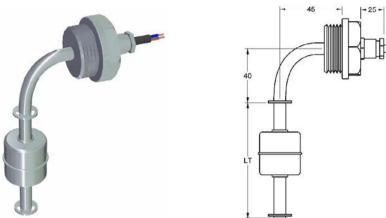


## **IMN TPMA INOX**



## MAGNETIC LEVEL SWITCH

8	SWITCH	I	,							
General	Operating principle	is activated by a magnet housed	f a reed switch located inside the tube, which due to the thrust of the liquid.							
Ge	Application	· For the detection of one or more points in liquid level. · Used in maneuvers for filling, emptying, overflow alarm, etc.								
	Manufacturing	Are customized to suit the installation conditions.								
Housing	Electrical connection	By cable. Length 1 meter. Others								
	Cable material	PVC	SILICONE							
	Temperature (T <sub>a</sub> )	70	130							
	Nr. maximum cables	7								
Ĭ	Cable gland	PG 7. Nickel pla	ted brass. IP 65							
	Ø Cable hose (mm)	36,5								
	Guide tube	` ,								
र्	Length									
Body	Temperature									
	Mounting position	Bent in 90° elbow								
Process connection	Thread	1" G	1"1/4 G							
	Material	SS AISI310								
	LR (mm)	16	17							
ပ်	□ LCP (mm)	10								
Ĕ	e/c (mm)	32	45							
8	C/O (IIIII)									
S		i- e/c								
ĕ			LĆP							
ĕ	Be tempted to float is									
Δ.	narrower than the width of thread									
	widin or tillead									
	Model	FCI60	4 M 0 Q							
	Material	SS AIS								
	Material	(1.44								
	Dimension (mm)	Ø 29	· · · · · · · · · · · · · · · · · · ·							
र	Pressure (kg/cm²)	2 1								
Floats	Density (g/cm³)	e > (								
正	FS/FH (mm)	9,3 /								
	- ,		,							
		1	F							
46										
ntacts	Nr. of contacts	13								
ğ	Class	NO: 40 WVA / 230 VAC-2A								

NC-NO/NC: 20 WVA / 150 VAC-1A

> 40 mm

Insulated Filled with epoxy resin

Distance between them

Protection

## How to determine the sensor settings

Determine the total length according to the characteristics of the shell and the liquid level to be controlled.

According to the maneuver you wish to perform, determine the amount, location and type of contacts. Use the table below to define these characteristics.

Contacts: To set the type of contact (NO, NC, NONC) should be without the presence of the float. For example, if you want the lower end of the sensor contact opens when the tank runs out of fluid, seek an NC contact for the position.

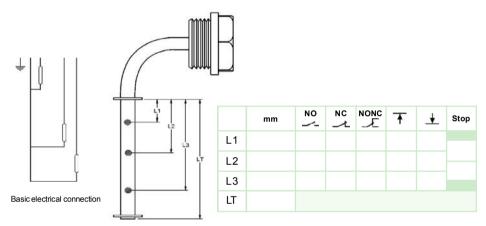
Direction of action ( \*\frac{1}{2}): Set the direction of action of the float (the filling or emptying) allows more precise adjustment of the position of the contacts to the point of desired performance.

Electrical connection: If not otherwise specified explicitly, provide a common connection to all the contacts and an active connection for each of them, according to the diagram below.

Additional floats: The sensor comes equipped by default with a single float, the lower stop and if required, the upper stop. Can request as many additional floats as many contacts as necessary.

Conditions of work: Check that the conditions of pressure, temperature and density of your system match those offered by the model chosen. If you have questions regarding the behavior of materials in contact with the liquid you want to control, see chemical resistance chart on our website.

Apart from the possibilities listed here, there are others such as other floats, various electrical connections, etc. For any of these combinations refer to our document, "Connections and schema IMN" section in our website.



Use this document to define the data of sensor and attach it at the time of

Specify in mm. total length of the sensor.

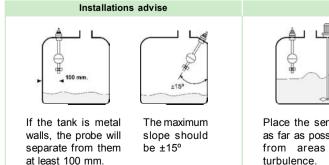
Specify in mm, the position of each of the contacts used in your application.
Place an "X" the type and direction of action of each contact.

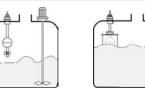
In the case of using additional floats, mark an "X" between what contacts should be placed caps separators.

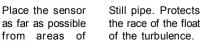
In the composition table references check boxes next to the selected features.

REFERENCE	PROCESS		FLOAT		TOTAL LENGTH		Nr. CONTACTS		Nr. FLOATS	
IMN TPMA INOX	□ P 06 ·		□ F13	FCI601M09	L	501000 mm		1 contact 2 contacts 3 contacts	□ N1 □ N2	1 float 2 floats

To compose a reference, select an option from each of the columns, Example: IMN TPMA INOX V1 P06 F13 L500 C1 N1









Installation in areas with turbulence

Separating wall or discouragement.



PSIA, DSIA relay: Differential control of max. and min. by timing.







