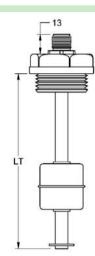


IMN TCM12 INOX







MAGNETIC LEVEL SWITCH



ra		The IMN level magnetic sensors are based on the action of a reed switch located inside the tube, which is activated by a magnet housed inside the float and moves due to the thrust of the liquid.
٥		· For the detection of one or more points in liquid level.
Ġ		· Used in maneuvers for filling, emptying, overflow alarm, etc.
	Manufacturing	Are customized to suit the installation conditions.

g	Electrical connection	Miniature M12 connector. Supplied on request			
Si.	Material	Nickel plated brass			
lousing	Temperature (T _a)	-25+85 °C			
Ĭ	Protection	IP 67			

	Guide tube	SS AISI316 (1.4401). Ø8 mm
ਰੇ	Length	503500 mm
Body	Temperature	-40+125 °C
	Mounting position	Vertical, ±15°

	Thread	1" G	1"1/4 G
ction	Material	SS AISI31	6 (1.4401)
	LR (mm)	16	17
ec	LCP (mm)	1	5
딭	⊏Ç e/c (mm)	32	45
Process co	Be tempted to float is narrower than the width of thread		LCP

	Model	FCI601M09					
	Material	SS AISI316L (1.4404)					
	Dimension (mm)	Ø 29x32					
	Pressure (kg/cm²)	· · · · · · · · · · · · · · · · · · ·					
뵅		15					
a	Density (g/cm³)	e > 0,71					
Floats	FS / FH (mm)	9,3 / 22,7					
	- FS FH	TT.					
	FHU	III					

ts	Nr. of contacts	13					
Contacts	Class	NO: 40 WVA / 230 VAC-2A NC-NO/NC: 20 WVA / 150 VAC-1A					
ŏ	Distance between them	> 40 mm					
rotection	Standard	Normal execution without inner filling. Applicable to meet applic	ations				
ect	Protected	Normal execution without inner filling. Applicable to most applications. Anti-condensation effect. In installations where there are large temperature differentials.					
ğ	Insulated						
۲							

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.

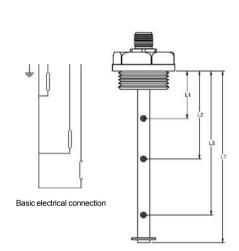
Direction of action (T ±): Set the direction of action of the float (the filling or emptying) allows more precise adjustment of the position of the contacts to the point of desired performance.

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.





Male connector M12

	mm	NO 	NC Ł	NONC	<u>+</u>	<u></u>	Stop
L1							
L2							
L3							
LT							

1	BROWN
2	WHITE
3	BLUE
4	BLACK

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

Specify in mm. total length of the

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

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

should be placed caps separators.

REFERENCE	V	ERSION	PRO	DCESS		FLOAT	T	OTAL LENGTH	Nr.	CONTACTS	Nr	. FLOATS
IMN TCM12 INOX	□ V2	Standard Protected Insulated	□ P06 □ P07		□ F13	FCI601M09	L	503500 mm	□ C2	1 contact 2 contacts 3 contacts		1 float 2 floats

To compose a reference, select an option from each of the columns. Example: IMN TCM12 INOX V1 P06 F13 L500 C1 N1

Installations advise



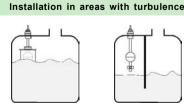
If the tank is metal walls, the probe will separate from them at least 100 mm.



The maximum slope should be ±15°



Place the sensor as far as possible from areas turbulence



Still pipe. Protects the race of the float of the turbulence.



Separating wall



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













