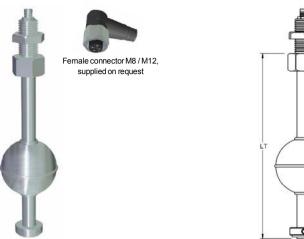


IMN RC8 INOX / IMN RC12 INOX



MAGNETIC LEVEL SWITCH

	SWITCH		I				, ⊋					
General		Operating principle	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.									
Ge		Application Manufacturing	For the detection of one or more points in liquid level. Used in maneuvers for filling, emptying, overflow alarm, etc. Are customized to suit the installation conditions.									
Housing		lectrical connection	Miniature connector, depending on size of the process connection: · M8 (3/8" G) · M12 (1/2" G) Optional female connector									
Ho		Material Temperature (T _a) Protection	Nickel plated brass -25+85 °C									
Body	,	Guide tube Length Temperature Mounting position	SS AISI316 (1.4401). Ø1 903500 mm -40+90 °C Vertical, ±15°	2 mm								
Process connection		Thread Material Connector E (mm) LR (mm) LCP (mm) CG e/c (mm)	3/8" G SS AISE M8 8	316 (1.4401) 30 15	1/2" G M12 13	LR LCP						
		Model	FCI602M13	S		FEI601M13						

_			F-6/C-4		
Floats	Model Material Dimension (mm) Pressure (kg/cm²) Density (g/cm³) FS / FH (mm)	FCI602M13 SS AISI31 Ø 44x63 15 e > 0,75 15,8 / 47,2	FEI601M13 6L (1.4404) Ø 52x52 30 e > 0,76 12,5 / 39,5		
	- FS FH I	13			
st	Class	NO: 120 WVA / 250 VAC-3A			

2		NC-NO/NC. 60 W VA / 230 VAC-1A						
Contac	Maximum voltage							
.0		· M12: 250 VAC						
J	Distance between them	> 40 mm						
Protection	Standard	Normal execution without inner filling. Applicable to most applications.						
	Protected	Anti-condensation effect. In installations where there are large temperature differentials.						
Pro	Insulated	Filled with epoxy resin. Establishing a higher degree of tightness.						

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.

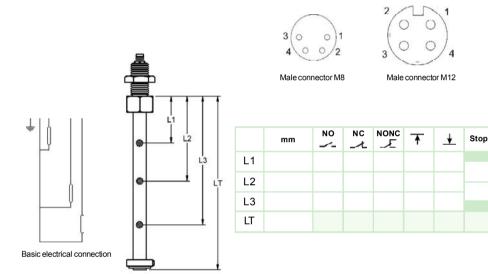
Direction of action (*\frac{1}{2}): Set the direction of action of the float (the filling or emptying) allows more precise adjustment of the position of the contacts to the point of desired performance.

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.



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 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	REFERENCE V		PROCESS		FLOAT		TOTAL LENGTH		Nr. CONTACTS		Nr. FLOATS	
IMN RC8 INOX	□ V1	Standard	□ P 03	3/8" G	☐ F14 ☐ F25	FCI602M13 FEI601M13	L	000000 111111	☐ C1 1 contact ☐ C2 2 contacts		□ N1	1 float
IMN RC12 INOX	□ V2 □ V3		□ P 04	1/2" G					_	3 3 contacts	□ N2 2 float	2 floats

To compose a reference, select an option from each of the columns, Example: IMN RC INOX V1 P03 F14 L500 C1 N1

