	DISIBEINT										
IMN RCA8 INOX / IMN RCA12 INOX											
L	AGNETIC LEVEL SWITCH		e connector M8 / M12, pplied on request								
	Operating principle			tion of a reed switch located inside the tube, which is							
General		activated by a magnet housed inside the float and moves due to the thrust of the liquid.									
Ge	Application	· Used in maneuvers for filling, emptying, overflow alarm, etc.									
_	Manufacturing										
Housing	Electrical connection Material Temperature (T_a) Protection	-25+85 °C									
		SS AISI316 (1.4401). Ø12 mm									
Body	Length Temperature	th 903500 mm re -40+90 °C									
ш	Mounting position										
u	Thread Material	3/8" G SS AISI316 (1.440	1/2" G	E							
ecti	Connector	M8	M12								
nne	E (mm) LR (mm)	8	13								
000	LCP (mm)										
Process connection	⊂C e/c (mm)	24	25								
	Model	FCI602M13		FEI601M13							
	Material Dimension (mm)	SS AIS Ø 44x63	61316L (1.4404)	Ø 52x52							
	Pressure (kg/cm ²)	15		30							
Floats	Density (g/cm ³)	e > 0,75		e > 0,76							
FIG	FS / FH (mm)	15,8 / 47,2		12,5 / 39,5							
	Nr of contacts	13									
cts	Class										
Contacts	Maximum voltage	NC-NO/NC: 60 WVA / 230 VAC-1A • · M8: 30 VAC									
ပိ	Distance between them	· M12: 250 VAC									
		· •••••••••									
	Protection										
Insulated Filled with epoxic resin											

1/3

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.

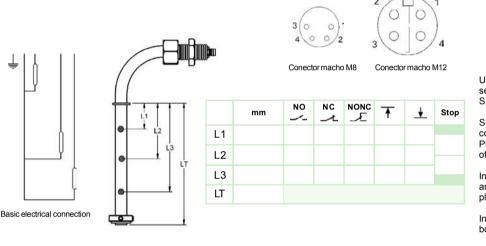
Direction of action (T 1): Set the direction of action of the float (the filling or emptying) allows more precise adjustment of the position of the contacts to the point of desired performance.

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	PROCESS		FLOAT		TOTAL LENGTH		Nr. CONTACTS		Nr. FLOATS	
IMN RCA8 INOX	🗆 P 03	3/8" G		FCI602M13 FEI601M13	L 1001000 mm		□ C1	1 contact	🗆 N1	1 float
IMN RCA12 INOX	🗆 P 04	1/2" G					2 contacts 3 contacts	□ N2	2 floats	

To compose a reference, select an option from each of the columns. Example: IMN RCA INOX P03 F14 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 of turbulence.



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

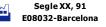


Separating wall or discouragement.



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

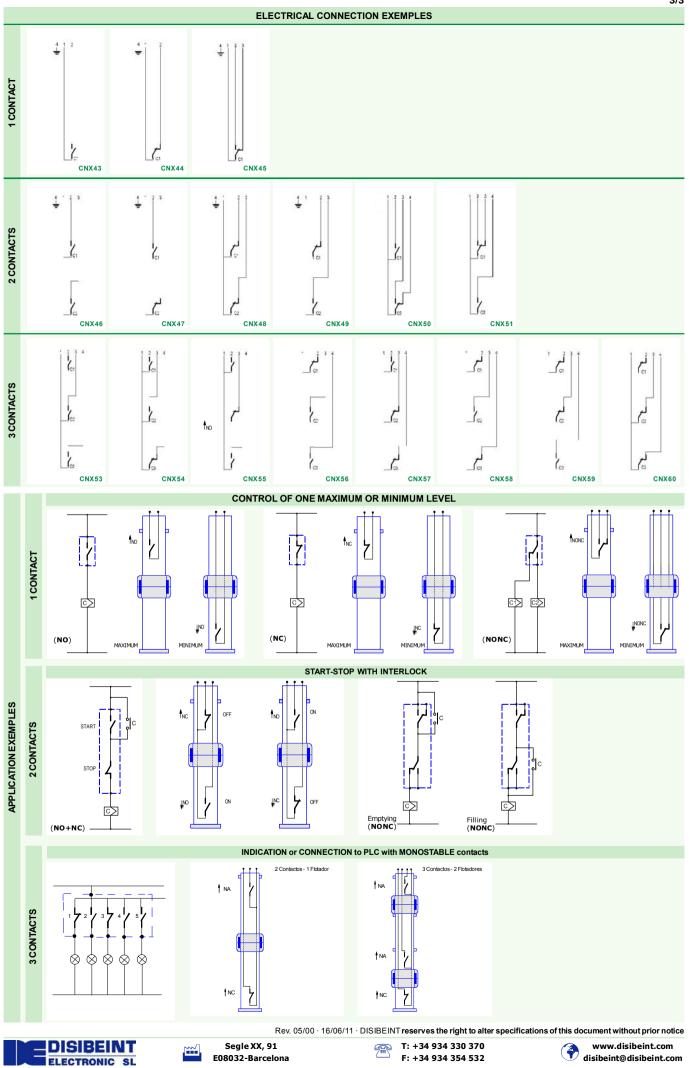






Installation in areas with turbulence

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More information regarding, in "Utilities/Tables" on our website (www.disibeint.com)

3/3