				1/						
	DISIBEINT									
	I	MN TCA12 INOX								
L	MAGNETIC EVEL SWITCH									
ral	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.								
General	Application Manufacturing	· Used in maneuvers for filling, emptying, overflow alarm, etc.								
Housing	Electrical connection Material									
ŝ	Protection	ı -25+85 ℃								
T	Temperature (T _a)	IP 67								
>	Guide tube									
Body	Length Temperature									
	Mounting position									
			011 0							
_	Thread	1"1/2 G	2" G							
lon	Material	SS AISI316	64							
ect	⊂⊂ e/c (mm) LR (mm)									
Ĩ	LCP (mm)	10	12							
Process connecti	Be tempted to float is narrower than the width of thread	► €/C								
	Model	FCI602M13	FEI601M13							
	Material	SS AISI316L								
	Dimension (mm)	Ø 44x63	Ø 52x52							
(0)	Pressure (kg/cm ²)	15	30							
Floats	Density (g/cm ³)		e > 0,76							
5	FS / FH (mm)	15,8 / 47,2	12,5 / 39,5							

ts	Nr. of contacts	13	
ac	Class	NO: 120 WVA / 250 VAC-3A	
Contacts		NC-NO/NC: 60 WVA / 230 VAC-1A	
ပိ	Distance between them	> 40 mm	
c			
<u>:</u>	Standard	Normal execution without inner filling. Applicable to most applicatio	ns.
S C1	Protected	Anti-condensation effect. In installations where there are large ter	nperature differentials.
Protection	Insulated	Filled with epoxy resin. Establishing a higher degree of tightness.	
_			

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.

<u>Contacts</u>: 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.

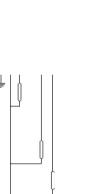
<u>Direction of action</u> (\uparrow \pm): Set the direction of action of the float (the filling or emptying) allows more precise adjustment of the position of the contacts to the point of desired performance.

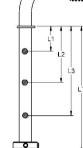
<u>Electrical connection</u>: If not otherwise specified explicitly, provide a common connection to all the contacts and an active connection for each of them, according to the diagram below.

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.

<u>Conditions of work</u>: 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.







NO

1

mm

L1

L2

L3

LT

NC

1

NONC

ᡔ



Male connector M12

.

Stop

T: +34 934 330 370

F: +34 934 354 532

MR

+

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.

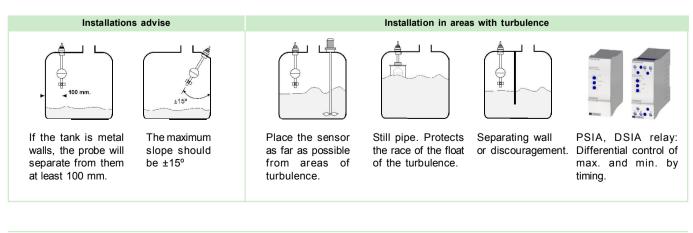
In the case of using additional floats, mark an "X" between what contacts should be placed caps separators.

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

Basic electrical connection

REFERENCE	VERSION		PROCESS		FLOAT		TOTAL LENGTH		Nr. CONTACTS		Nr. FLOATS	
IMN TCA12 INOX	□ V1 □ V2 □ V3	Standard Protected Insulated	□ P08 □ P10	1"1/2 G 2" G	_	FCI602M13 FEI601M13	L		□ 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 TCA12 INOX V1 P08 F14 L500 C1 N1



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