		1/4									
	DISIBEINT										
	I	MN BP INOX									
l	MAGNETIC LEVEL SWITCH										
_	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	For the detection of one or more points in liquid level.									
Ğ	Manufacturing	Used in maneuvers for filling, emptying, overflow alarm, etc. Are customized to suit the installation conditions.									
	Electrical connection	Electrical hose through 1 meter.									
Housing	Cable material	Other lengths on request. PVC SILICONE									
	Temperature (T _a) Nr. maximum cables	70 130									
	Ø Cable hose (mm)	PG 7. Nickel plated brass. IP 65 36,5									
	Guide tube										
Body	Length	903500 mm									
Ω	Temperature Mounting position										
Process connection	Flange Material n x t (mm) T (mm) Ø d (mm) D (mm) Thickness (LCP) (mm)	BR80 SS AISI316 (1.4401) $4x6$ 12 65 80 8									
	Model	FCI602M13 FEI601M13									
	Material Dimension (mm)	SS AISI316L (1.4404)									
s	Pressure (kg/cm ²)	15 30									
Floats	Density (g/cm ³) FS / FH (mm)	e > 0,75 e > 0,76 15,8 / 47,2 12,5 / 39,5									
ŝ	Nr. of contacts	15									
Contacts	Class	NO: 120 WVA / 250 VAC-3A NC-NO/NC: 60 WVA / 230 VAC-1A									
Cor	Distance between them										
Ę											
ctio	Standard Protected	Normal execution without inner filling. Applicable to most applications. Anti-condensation effect. In installations where there are large temperature differentials.									
Protection	Insulated										
•											

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.

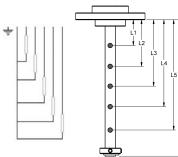
<u>Direction of action</u> (\uparrow \pm): Set the direction of action of the float (the filling or emptying) allows more precise adjustment of the position of the contacts to the point of desired performance.

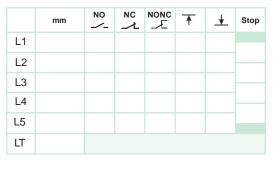
<u>Electrical connection</u>: If not otherwise specified explicitly, provide a common connection to all the contacts and an active connection for each of them, according to the diagram below.

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.





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 BP INOX	□ V2	Standard Protected Insulated	🗆 P 42	BR80		FCI602M13 FEI601M13	L	903500 mm	□ C2 □ C3 □ C4	1 contact 2 contacts 3 contacts 4 contacts 5 contacts	□ N2	1 float 2 floats 3 floats

To compose a reference, select an option from each of the columns. Example: IMN BP INOX V1 P42 F14 L500 C1 N1

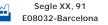
Installations advise Installation in areas with turbulence 100 mm ±15 If the tank is metal The maximum Place the sensor Still pipe. Protects Separating wall PSIA, DSIA relay: walls, the probe will slope should the race of the float or discouragement. Differential control of as far as possible be ±15° separate from them of the turbulence. from areas of max. and min. by at least 100 mm. turbulence. timina.

T: +34 934 330 370

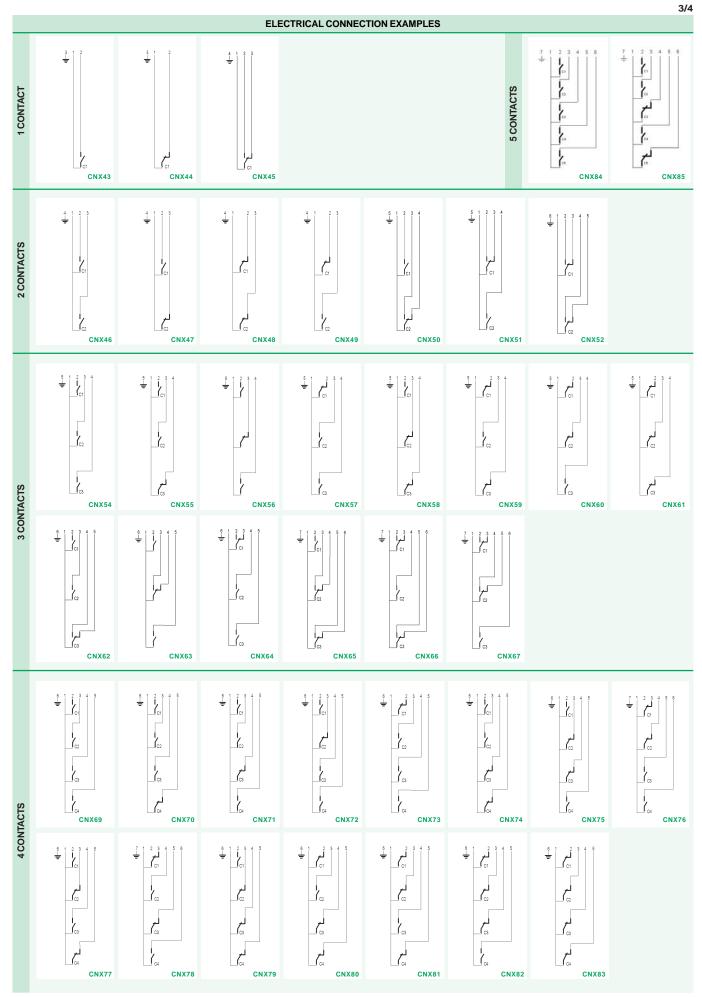
F: +34 934 354 532

M





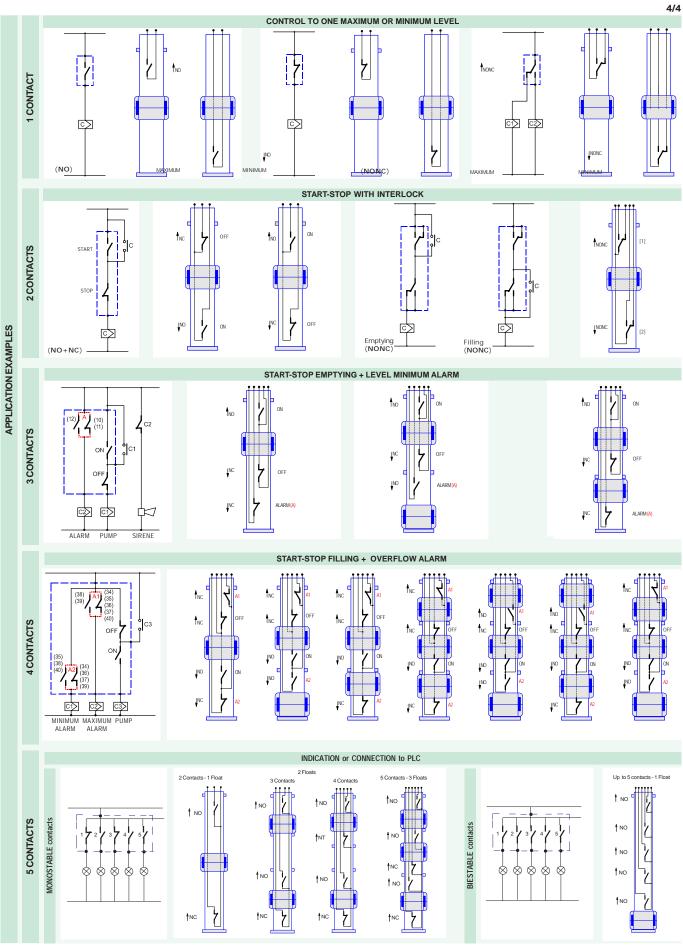
www.disibeint.com disibeint@disibeint.com



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







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