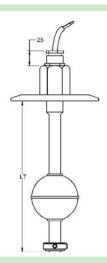


IMN CP INOX





MAGNETIC LEVEL SWITCH



eral	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.
e	Application	· For the detection of one or more points in liquid level.
Ğ		· Used in maneuvers for filling, emptying, overflow alarm, etc.
	Manufacturing	Are customized to suit the installation conditions.

	Electrical connection	By electrical hose to 1 meter of length.						
Housing		Others lengths on request.						
	Cable material	PVC	SILICONE					
ns	Temperature (T _a)	70	130					
우	Nr cable maximum	7						
_	Cable gland	PG 7. Nickel plated brass. IP 65						
	Ø Electrical hose	36,5						
	Guide tube	SS AISI316 (1,4401). Ø12 mm						
Body	Length	903500 mm						
8	Temperature	-40+125 °C						
	Mounting position	Vertical +15°						

	Mounting position	Vertical, ±	15°					
_	Clamp flange	2"1/2	3"	4"				
connection	Material		SS AISI316 (1.4401)					
	Ø d (mm)	77,5	91	119				
္ပ	Thickness (LCP) (mm)		6,5	8				
Process				T LCP				

Model	FCI604M13	FEI602M13					
Material	SS AISI316L (1.4404)						
Dimension (mm)	Ø 52x52	Ø 95x95					
Pressure (kg/cm²)	15	30					
Density (g/cm³)	e > 0,61	e > 0,36					
FS/FH (mm)	20,3 / 31,7	60,8 / 34,2					
- FS FH							
	Material Dimension (mm) Pressure (kg/cm²) Density (g/cm³) FS / FH (mm)	Material SS AISI316 Dimension (mm) Ø 52x52 Pressure (kg/cm²) 15 Density (g/cm³) e > 0,61 FS / FH (mm) 20,3 / 31,7					

cts	Nr. of contacts	15
g	Class	
onta		NC-NO/NC: 60 WVA / 230 VAC-1A
ပိ	Distance between them	> 40 mm

otection	Standard	Normal execution without inner filling. Applicable to most applications.
ခ	Protected	Anti-condensation effect. In installations where there are large temperature differentials.
Prot	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.

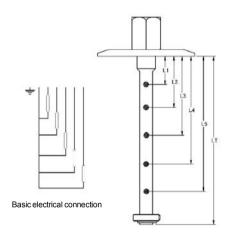
Direction of action (*\frac{1}{2}): Set the direction of action of the float (the filling or emptying) allows more precise adjustment of the position of the contacts to the point of desired performance.

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.



	mm	NO	NC 	NONC	<u></u>	<u>+</u>	Stop
L1							
L2							
L3							
L4							
L5							
LT							

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

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	V	ERSION	PRO	CESS	FLOAT	T	OTAL LENGTH	Nr. 0	CONTACTS	Nr	. FLOATS
IMN CP INOX	□ V1 □ V2 □ V3	Standard Protected Insulated	□ P 47 □ P 48 □ P 49	3"	FCI604M13 FEI602M13	L	903500 mm	□ C3	1 contact 2 contacts 3 contacts 4 contacts 5 contacts		1 float 2 floats 3 floats

To compose a reference, select an option from each of the columns. Example: IMN CP INOX V1 P47 F18 L500 C1 M1





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.



Installation in areas with turbulence

Separating wall



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



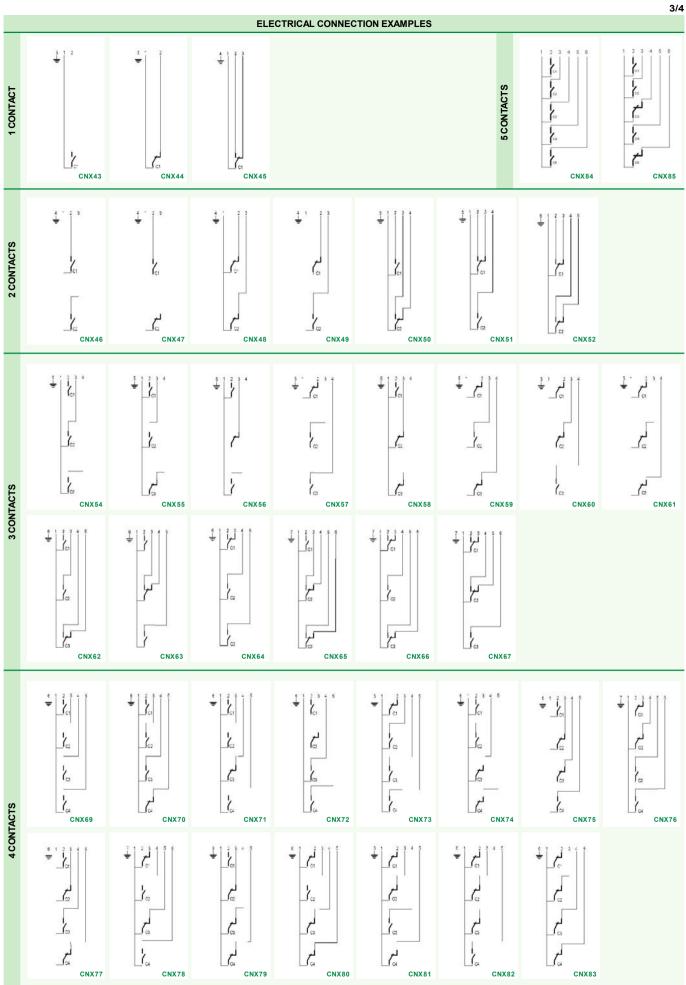






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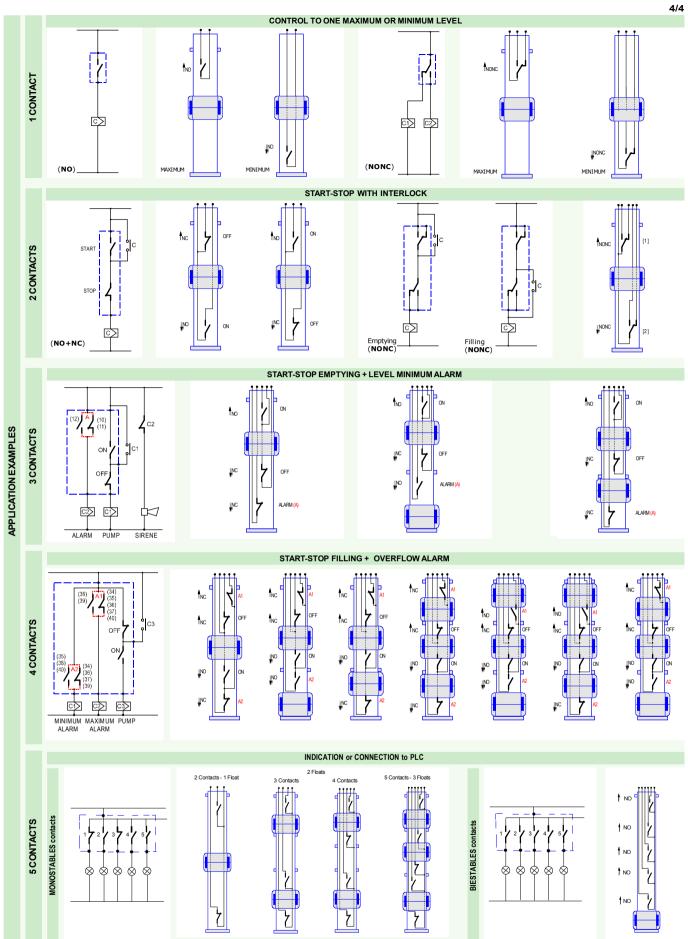
 $More information \ regarding, in \ "Utilities / \ Tables" \ on our \ website \ (www.disibeint.com)$











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