							1/3			
	DISIBEINT									
		IMN DC PVC	;							
L	AGNETIC EVEL WITCH				5					
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. Application • For the detection of one or more points in liquid level. • Used in maneuvers for filling, emptying, overflow alarm, etc.									
sing	Manufacturing Electrical connection Protection	Are customized to suit the installation conditions. DIN43650 connector IP 65								
Housing	Temperature (T _a) Cable gland Ø Cable hose (mm) Guide tube and stops	PG 9 68 mm		DD04M14						
Body	Temperature Mounting position	15003500 mm Ø16 mm -10+60 °C								
c	Flange		DN40	DN50	DN100					
ţ	Material		PVC	DNJU	DIVIOU					
ec	n x t (mm)	4x14	4x18		8x18					
un l	Ød (mm)	85 100	110	125	180					
ŭ	D (mm)	115 140	150	165	220					
Process connection	Thickness (LCP) (mm)	15			20					
	Model	FCPP04M14		FCPP05	M18]				
	Material		PP]				
	Dimension (mm)	Ø 29x50		Ø 38x	60					
S	Pressure (kg/cm ²)	a . 0.6	3	a a a	F	-				
Floats	Density (g/cm ³) FS / FH (mm)	e > 0,6 20 / 30		e > 0, 30 / 3						
Ĕ	-FS FH									
						-				
S	Nr. of contacts	13								
ac	Class		C-3A			1				
Contacts	Distance between them	NC-NO/NC: 60 WVA / 23 > 40 mm	30 VAC-1	A						
	Standard	Normal execution without								
2	Standard	Normal execution withou	ur innor fil							
ction										
Protection	Protected	Anti-condensation effect	t. In insta	allations w	here there	are large temperature differentials.				

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.

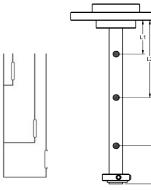
Direction of action (T 1): Set the direction of action of the float (the filling or emptying) allows more precise adjustment of the position of the contacts to the point of desired performance.

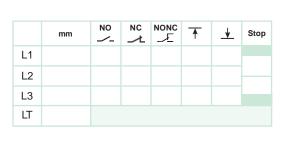
Electrical connection: If not otherwise specified explicitly, provide a common connection to all the contacts and an active connection for each of them, according to the diagram below.

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.





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.

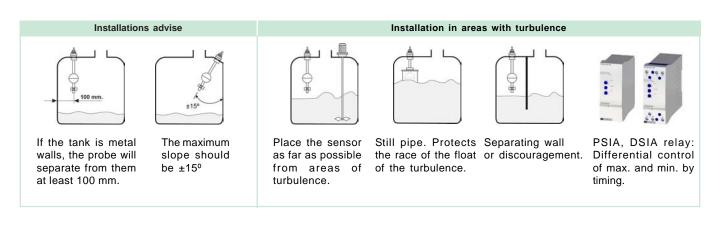
Specify in mm. the position of each of the contacts used in your application. Place an "X" the type and direction of action of each contact.

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 DC PVC	🗆 V2	Standard Protected Insulated	 P34 P35 P36 P37 P39 	DN32 DN40		FCPP04M14 FCPP05M18	L	1003500 mm	□ C1 □ C2 □ C3	1 contact 2 contacts 3 contacts	□ N1 □ N2	1 float 2 floats

To compose a reference, select an option from each of the columns. Example: IMN DC PVC V1 P36 F51 L500 C1 N1



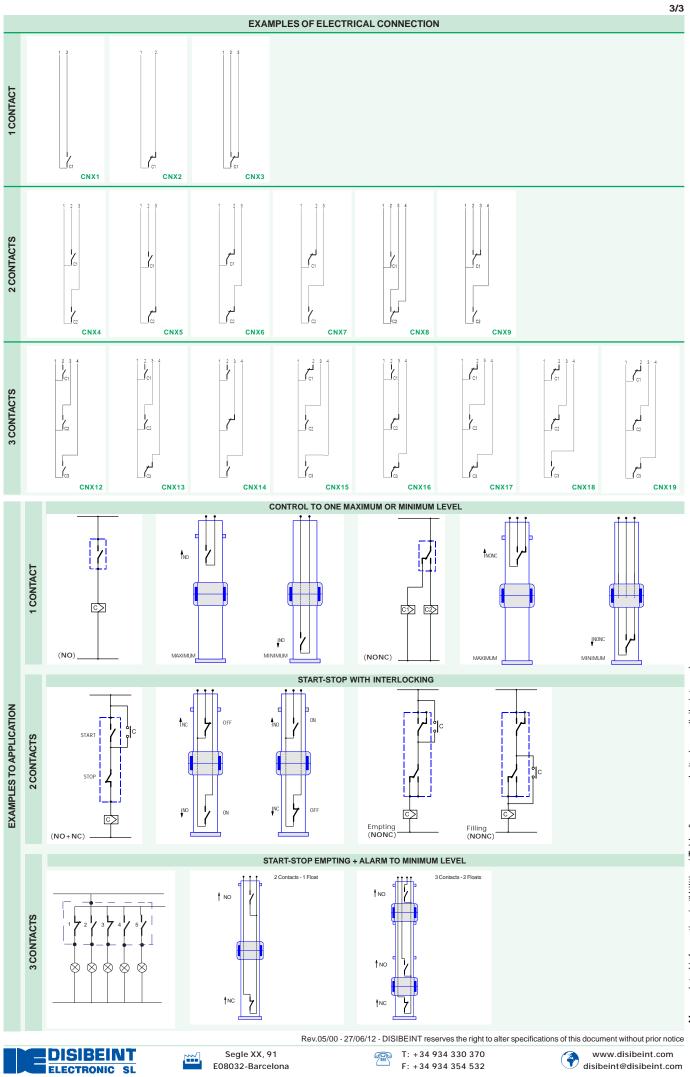
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More related information in "Utilities / Tables" on our website (www.disibeint.com)