## DISIBEINT

IMN TB PVC INOX PA

Magnetic level switch



#### General Operating principle Magnetic level switches IMN are based on the action of reed contacts located inside the tube and are activated by a magnet housed inside the float, which moves due to the push of the liquid. · For the detection of a single level point in liquids. Application · Used in filling maneuvers, emptying, overfill alarm, etc. Manufacturing They are customized to suit the installation conditions. Head Electrical connection Connection housing. PBT. 64x95x110 mm Protection IP67 Temperature -20 .. +80 °C Cable gland Cable gland M20 x 1,5. PA. IP68. Cable: 6..12 mm. Body Guide tube SS AISI316L (1.4401) Ø12 mm Length 90..3500 mm Temperature -20 .. +80 °C Mounting position Vertical, ±15º Process connection Thread 1" G 1" 1/4G 1" 1/2G 2" G PP PP Materiall PP PP 40 50 50 50 e/c (mm) LR (mm) 19 19 19 19 LCP (mm) 15,5 15,5 15,5 15,5 Float FCPA07M14 Model Material PA (polyamide) Dimensions Ø29 x 50 mm Pressure 3 kg/cm<sup>2</sup> e > 0,6 g/cm<sup>3</sup> Density 20/30 mm FS / FH (mm)



Magnetic level switch

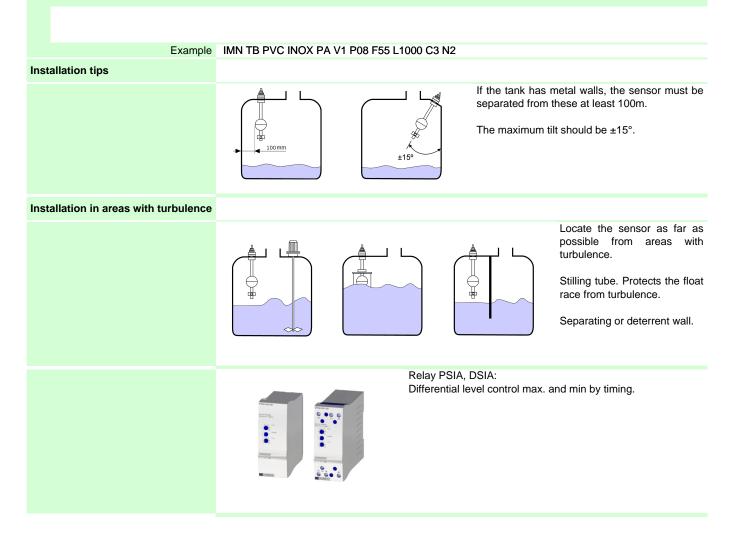
Contacts								
Number of contacts	15							
Class	NO: 120 VA/W - 250 VAC/DC-3A NC: 60 VA/W - 230 VAC/DC-1A NO/NC: 60 VA/W - 230 VAC/DC-1A							
Distance between each other	>= 40 mm							
Protection								
Standard	Normal execution, without internal filling. Applicable to the vast majority of applications.							
Protected	Anti-condensat	ion effec	t. In in	stallatio	ns whe	ere the	re are l	arge temperature differentials.
Encapsulated								
<b>IOW TO DETERMINE THE SE</b>	NSOR OPTI	ONS						
	Determine the total length according to the characteristics of the tank and the liquid level you we control.							
	Depending on the maneuver you want to perform, determine the number, position and type of contacts. Use the table below to define these characteristics.							
Electrical connection	If it is not expressly detailed, a common connection will be provided for all contacts and an activ connection for each of them, according to the diagram below.							
Additional floats	The sensor is equipped by default with a single float, the lower stop and, if required, the upper stop As many additional floats can be requested as the number of contacts required.							
Operating conditions	Remember to check that the pressure, temperature and density conditions of your installation matches those offered by the chosen model. If you have any doubts regarding the behavior of the materials is contact with the liquid you want to control, consult the "Chemical resistance table" on our website.							
	Apart from the possibilities that are detailed here, there are others such as other floats, different electrical connections, etc. To find out other connection options and combination of floats and contacts, consult our document "Connections for Magnetic Level Switches" that you will find in the "Utilities/Tables" link on our website.							
To define the type of contact (NO, NC, NANC) it must be understood without the presence of the For example, if you want a contact to open at the lower end of the sensor when the tank runs liquid. you must order a NC contact for that position.								
Configuration table	mm	NO	NC _/L	NONC	▲	<u> </u>	Stop	Use this document to define the sense data and attach it when placing you order.
	L1							
	L2							Specify the total length of the sensor mm.
	L3							
	L4							Specify in mm the position of each of the contacts that you will use in you
	L5							application.
	LT Mark with an "X" the type and sense							
								action of each contact. In the case of using additional floats, ma with an "X" between which contacts th separator stops should be located.



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#### **COMPOSITION OF THE REFERENCE**





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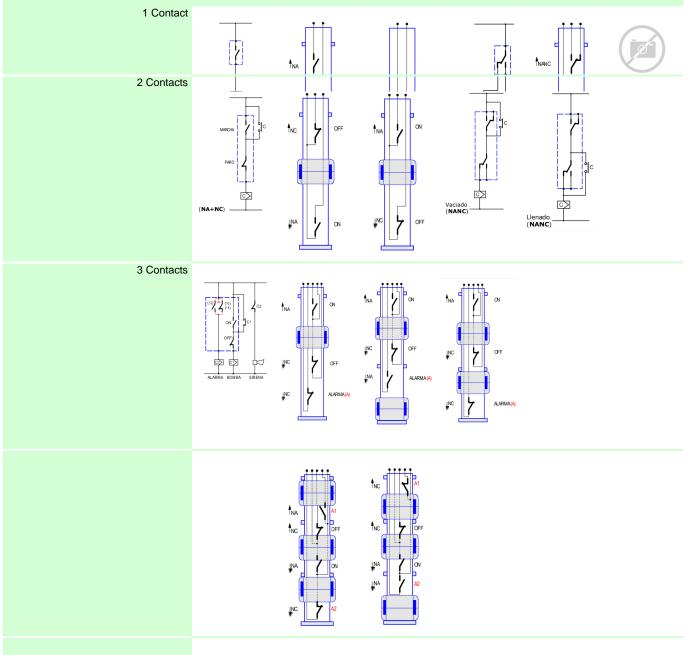


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#### **APPLICATION EXAMPLES**



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Magnetic level switch

