# DISIBEINT

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.										
Application	<ul> <li>For the detection of a single level point in liquids.</li> <li>Used in filling maneuvers, emptying, overfill alarm, etc.</li> </ul>										
Manufacturing	They are customized to suit the installation conditions.										
Head											
Electrical connection	Connection housing. PBT. 64x95x110 mm										
Protection	IP67										
Temperature	-20 +80 ℃										
Cable gland	Cable gland M20 x 1,5. PA. IP68. Cable: 612 mm.										
Body											
Guide tube	Ø12 mm. PP (Polypropylene)										
Length	903500 mm										
Temperature	-40 +125 °C										
Mounting position	Vertical, ±15°										
Process connection											
Thread	1" G	1" 1/4G	1" 1/2G	2" G							
Materiall	PP	PP PP		PP							
e/c (mm)	40	50 50		50							
LR (mm)	19	19 19 15 5		19							
	e/c E LCP	e/c ELCP	e/c = LCP								
Float											
Model	FCPA07M14										
Material	PA (polyamide)										
Dimensions	Ø29 x 50 mm										
Pressure	3 kg/cm <sup>2</sup>										
Density	e > 0,6 g/cm <sup>3</sup>										
FS / FH (mm)	20/30 mm										



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	Norm	al executio	n, witho	out inte	rnal filli	ng. Ap	plicable	e to the	vast majority of applications.	
Protected	Anti-c	ondensatio	on effec	t. In ins	stallatio	ns whe	ere the	e are la	arge temperature differentials.	
Encapsulated										
HOW TO DETERMINE THE SE	NSO		NS							
	Determine the total length according to the characteristics of the tank and the liquid level you want to control.									
	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 active 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 match those offered by the chosen model. If you have any doubts regarding the behavior of the materials in contact with the liquid you want to control, consult the "Chemical resistance table" on our website.									
	Apart	from the	possibi	lities th	nat are	detail	ed her	e, ther	e are others such as other floats, different	
	To find out other 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.									
	For e	kample, if you must	you wa order a	nt a co NC co	ntact to	o open or that p	at the	lower 1.	end of the sensor when the tank runs out of	
		mm	NO _/_	NC _∕L	NONC	↑	<u> </u>	Stop	data and attach it when placing your order.	
	L1									
	L2								Specify the total length of the sensor in mm.	
	L3									
	L4								Specify in mm the position of each of the contacts that you will use in your	
	L5								application.	
	LT								Mark with an "X" the type and sense of action of each contact.	
									In the case of using additional floats, mark with an "X" between which contacts the separator stops should be located.	





![](_page_3_Picture_0.jpeg)

### IMN TB PP PA

Magnetic level switch

![](_page_3_Figure_3.jpeg)

### **E**DISIBEINT

### **IMN TB PP PA**

Magnetic level switch

![](_page_4_Figure_3.jpeg)

### DISIBEINT

#### **APPLICATION EXAMPLES**

![](_page_5_Figure_3.jpeg)

## EDISIBEINT

IMN TB PP PA

![](_page_6_Figure_2.jpeg)