| | | 1/4 |
|--------------------|--|--|
| | DISIBEINT | |
| | | IMN TB INOX |
| L | IAGNETIC EVEL WITCH | |
| al | 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 Manufacturing | For the detection of one or more points in liquid level. Used in maneuvers for filling, emptying, overflow alarm, etc. Are customized to suit the installation conditions. |
| - | Electrical connection | Connection housing. PBT. 64x95x110 mm |
| Housing | Housing protection Temperatura (T _a) | -20+80 °C |
| Ê | Cable gland Ø Cable hose | |
| | | SS AISI316 (1.4401). Ø12 mm |
| Body | | -40+125 °C |
| ш | Mounting position | Vertical, ±15° |
| _ | Thread Material | 1"1/2 G 2" G SS AISI316 (1.4401) |
| tion | <i>⊏</i> C e/c (mm) | 50 40 |
| nec | E (mm) LR (mm) | 15 20 |
| con | LCP (mm) | 11 4 |
| Process connection | Be tempted to float is narrower than the width of thread | |
| | Model | FCI602M13 FEI601M13 |
| | Material Dimension (mm) | SS AISI316L (1.4404) Ø 44x63 Ø 52x52 |
| ats | Pressure (kg/cm ²) Density (g/cm ³) | 15 30 e > 0,75 e > 0,76 |
| Floats | FS / FH (mm) | 15,8 / 47,2 12,5 / 39,5 |
| | -FS FH | |
| | | |
| tacts | Nr. of contacts Class | 15 NO: 120 WVA / 250 VAC-3A |
| Contacts | Distance between them | NC-NO/NC: 60 WVA / 230 VAC-1A > 40 mm |
| - | | |
| uo | Chanderd | Normal execution without inner filling. Applicable to most applications |
| Protection | Standard Protected | Normal execution without inner filling. Applicable to most applications. Anti-condensation effect. In installations where there are large temperature differentials. |
| Prot | Insulated | Filled with epoxy resin. Establishing a higher degree of tightness. |
| | | |

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 ±): 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.

NO

NC

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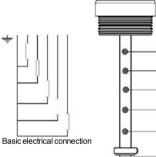
NONC

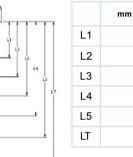
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A

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Stop





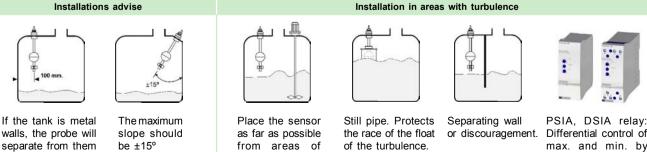
Use this document to define the data of sensor and attach it at the time of ordering. Specify in mm. total length of the sensor.

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.

| REFERENCE VERSION | PROCESS | FLOAT | TOTAL LENGTH | Nr. CONTACTS | Nr. FLOATS |
|---|---|--|--------------|--|--|
| IMN TB INOX V1 Standard V2 Protected V3 Insulated | □ P08 1"1/2 G □ P10 2" G | □ F14 FCl602M13 □ F25 FEl601M13 | L 903500 mm | C1 1 contact C2 2 contacts C3 3 contacts C4 4 contacts C5 5 contacts | N1 1 float N2 2 floats N3 3 floats |

To compose a reference, select an option from each of the columns. Example: IMN TB INOX V1 P08 F14 L500 C1 N1

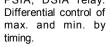


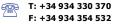
at least 100 mm.

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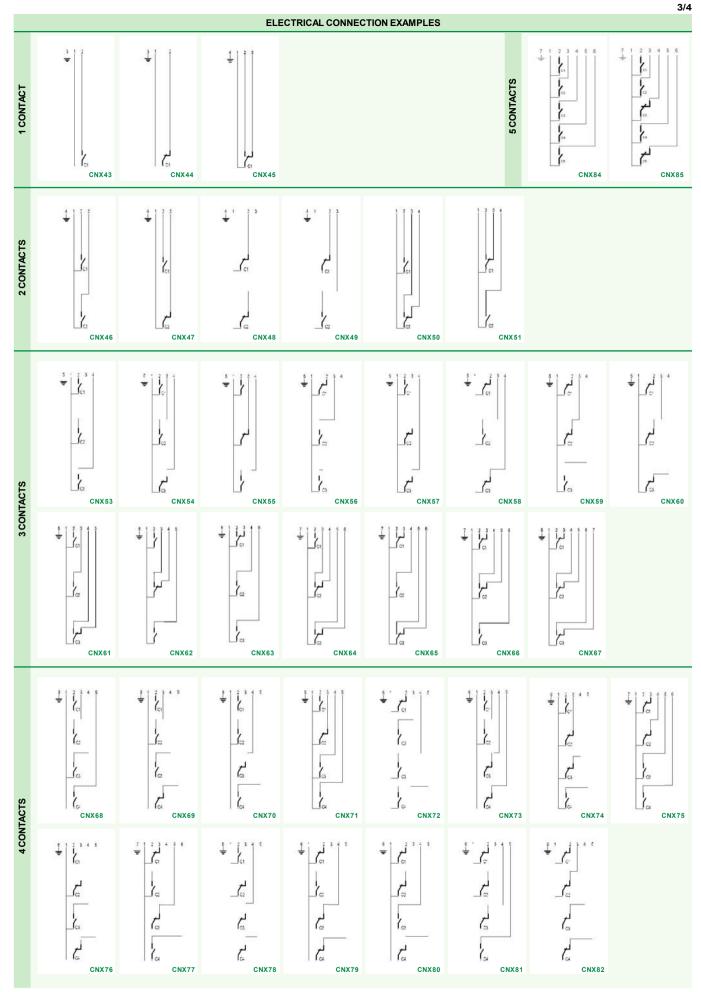
turbulence.



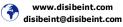


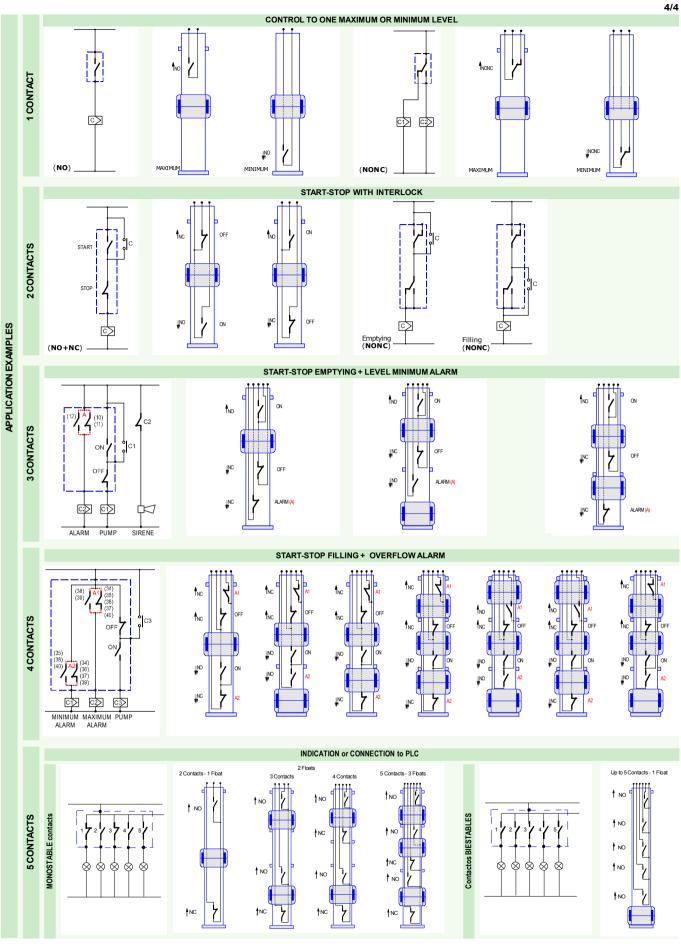






More information regarding, in "Utilities / Tables" on our website (www.disibeint.com)





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