DISIBEINT

SICE SYSTEM OF EXTERNAL LEVEL CONTROL





Application Le Differential character Fo Tank characteristics In Product characteristics Th

Process connection

Placement and adjustment

Level detection system in liquids from the outside of the product container.

tial character For use in removable and fixed tanks, with different forms of fastening for easy installation. naracteristics In general it can be applied in plastic tanks. The tank can not be made of metal or concrete.

The products with high dielectric constant favor the detection by the capacitive sensor.

In general, most liquids do not present difficulties for their detection.

By nylon belt with quick release. The belt wraps the tank at the desired detection height and is girded to hold it in place. Secure the positioning by velcro closure or by screw (included).



Place the assembly at the height where you want to detect the product. Check that the capacitive sensor is in contact with the tank wall and ensure this position. Adjust the sensitivity using the multiturn sensor potentiometer until the LED indicates that it is detecting the product. Make a fine adjustment and verify that it only acts in the presence of the product to be detected.

Example of installation



The nylon belt with quick release allows quick installation in tanks of various dimensions.

The support can be fixed to the tank by means of two screws and velcro.

Velcro application and fixation

Clean the surface and remove the protection liner from each attached piece of velcro, fix it to the separate pieces (using a roller to ensure adhesion) and press the pieces until you notice that the mushroom-shaped filaments are intertwined.

Alternative method: Remove the protective liner and fix the attached strip to a surface using a roller to ensure good adhesion; then remove the other liner to expose the adhesive and attach to a second surface using pressure to ensure good adhesion. Now the pieces can be separated for handling.

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Dimensions

(Dimensions in mm)



SENSOR

Dimensions

General characteristics	 Supply voltage: AC or DC Adjustable sensitivity. LED detection indicator Models with electrical cable connection or M12 connector. 			
Technical data				
Nominal reach	0 20 mm			
Nominal voltage	[DC]: 1036 VDC // [VAC/CC]: 20280 VACDC			
Consumption	[AC]: 610 mA			
Sensitivity adjustment	Using a multi-turn potentiometer			
Operating temperature	-25 +80 °C (without freezing)			
Reference selection	Voltage	Connection	PNP NO+NC	SCR NO/NC
	1036 VDC	Cable 2 m	SCM 30 PNP	Х
	20 280 VACDC	M12 connector	Х	SCM 30 ACDC





