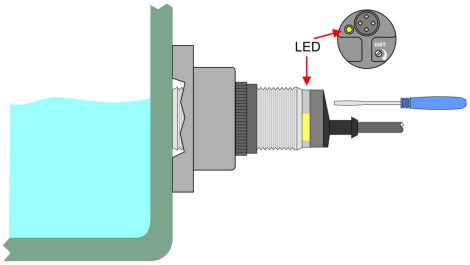
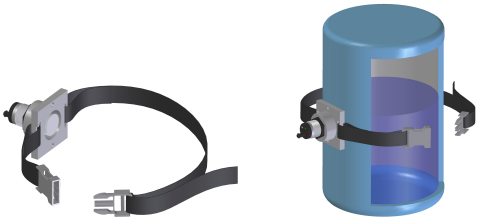
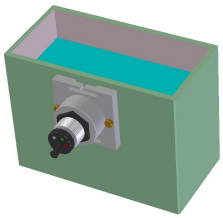


Application	Level detection system in liquids from the outside of the product container.
Differential character	For use in removable and fixed tanks, with different forms of fastening for easy installation.
Tank characteristics	In general it can be applied in plastic tanks. The tank can not be made of metal or concrete.
Product characteristics	The products with high dielectric constant favor the detection by the capacitive sensor. In general, most liquids do not present difficulties for their detection.
Process connection	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).
Placement and adjustment	 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.

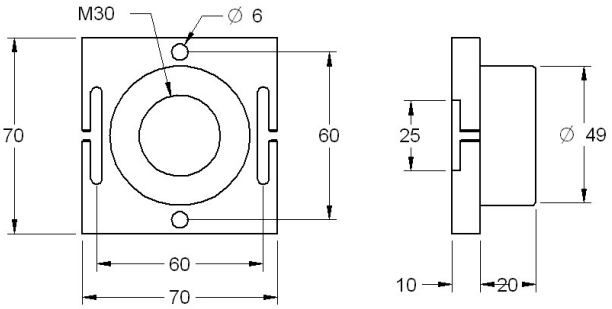
Velcro application and fixation

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.

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

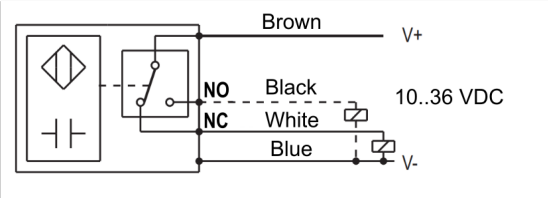
Nominal reach	0 .. 20 mm
Nominal voltage	[DC]: 10..36 VDC // [VAC/CC]: 20..280 VACDC
Consumption	[AC]: 6..10 mA
Sensitivity adjustment	Using a multi-turn potentiometer
Operating temperature	-25 .. +80 ºC (without freezing)

Reference selection

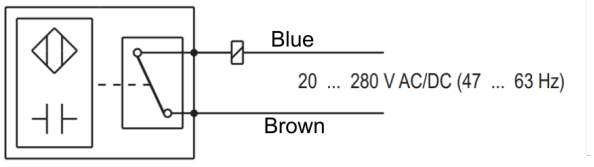
Voltage	Connection	PNP NO+NC	SCR NO/NC
10 .. 36 VDC	Cable 2 m	SCM 30 PNP	X
20 .. 280 VACDC	M12 connector	X	SCM 30 ACDC

Electrical wiring

DC

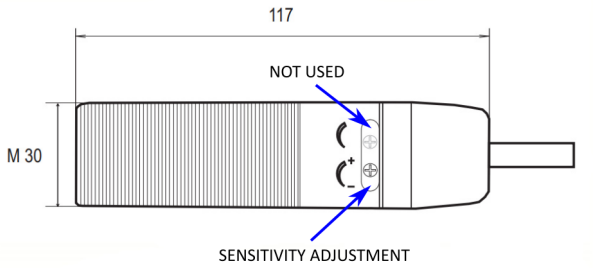


AC/DC

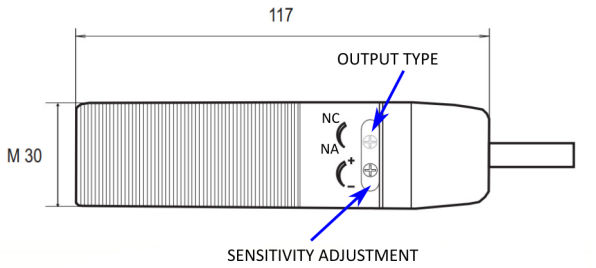


Dimensions

DC



AC/DC



Order code

SICE	SICE
Sensor	It is requested separately. Indicate the reference obtained in the section [SENSOR] [Selection of references]