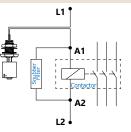


# Bottom Mounting No with lock ring L

#### Typical connection to contactor



Switch NO/NC - SPST Output Contact ON/OFF closure Rating IP66							
! Never connect the sensor to a motor, pump, lamp or any other load over 20W. Always use a contactor or relay.							

Th	The sensors work in all voltage and current ranges displayed in the table bellow:								
	Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current					
	110Vac	20VA	0.2A	0.5A @20ms					
	220Vac	20VA	0.1A	0.5A @20ms					
	5Vdc	2.5W	0.5A	1A @20ms					
	12Vdc	5W	0.5A	1A @20ms					
	24Vdc	10W	0.5A	1A @20ms					

Fn

#### 24Vac: NOT recommended

#### Term of Warranty

#### For installations according to this guide:

01 (one) year warranty - Incorrect installation cancels the warranty. All sensors have been tested and approved during the manufacture process. **Chemical products** require tests by the customer to verify compatibility with the constructive material of the sensor.

Liquids with ferrous particles require technical analysis: the sensor has magnetic component inside.

On **datasheets.icos.us** available technical specifications

## +55 (15) 3032.9190

Electrical contact of sensors - Attention to install

#### Reed Switch 20W/VA: Protect the electrical contact of your sensor



Reed Switches are hermetically sealed contacts actuated by a magnetic field.

The life expectancy of a reed switch refers to a kind of load to be used. Reed Switches of the highest reliability are applied in our sensors, and their life expectancy can reach above two million operations. However, when they are switching lamps, inductive or capacitive loads, this number may decrease.

#### **Switching Power**

It is important to consider that the power specified by an electrical load is often referred to the permanent working state.

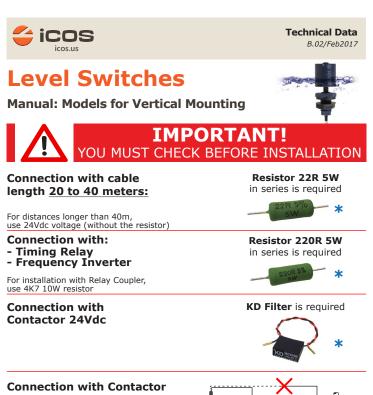
For higher power, use an auxiliary relay or contactor as recommended below.

Siemens 3RT1015 Contactor Initial: 31.7VA Rated: 5.1VA

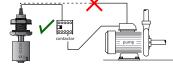
Weg CW07 Mini Contactor\* Initial: 19.3VA Rated: 5.5VA

Schneider CA2KN Contactor Initial: 30VA Rated: 4.5VA

**Note:** Reed Switches have reached over one million operations in tests with contactor and K8\* snubber filter.



Initial Power Rated Power Should be less than 20W



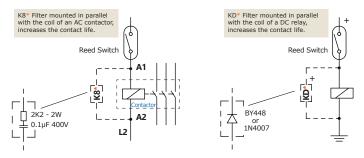
\*For sale on accessories.icos.us

Questions? Call us BEFORE you install: +55 (15) 3032.9190

levelsensor.icos.us | datasheets.icos.us | videos.icos.us

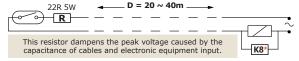
# PROTECTION PROCEDURES BELOW DESCRIBED CAN IMPROVE THE REED SWITCH PERFORMANCE

• Switching inductive loads

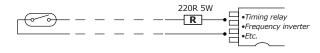


**? Risk of failure (welding of the Reed Switch Contact)** due to CAPACITANCE, which can occur depending on the distance and cable used in the connection to the contactor.

• Connecting the sensor to a contactor in long distances, use resistor:



- Important: For distances greater than 40m, use 24Vdc voltage.
- Connecting the sensor to an electronic equipment:



Important: For installation with **relay coupler**, use 4K7 10W resistor.

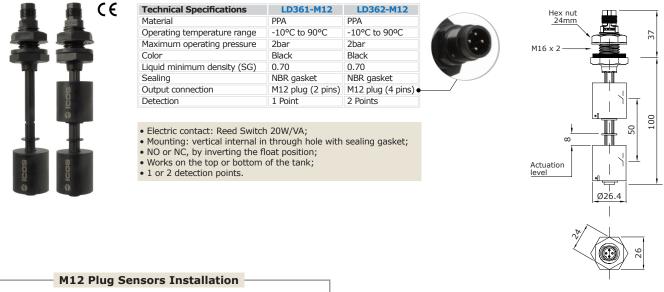
# **Internal Vertical Mounting in Ø16mm Hole**

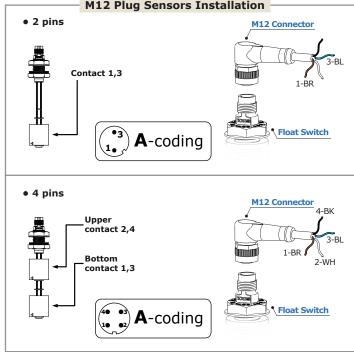
# With 45mm Length

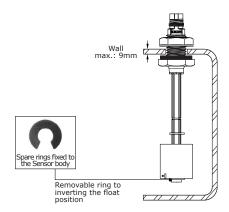


Technical Specifications	LC26M-40	LC36M-40	LC36-M12	
laterial	PP	PPA	PPA	
Operating temperature range	-10°C to 90°C	-10°C to 90°C	-10°C to 90°C	He
Maximum operating pressure	2bar	2bar	2bar	_24r
Color	Dark blue	Black	Black	
Liquid minimum density (SG)	0.70	0.70	0.70	M16 x 2-
Sealing	NBR gasket	NBR gasket	NBR gasket	+
Output connection	40cm cable	40cm cable	M12 plug (2 pins)	01 
Electric contact: Reed Switch Mounting: vertical internal in NO or NC, by inverting the fl Works on the top or bottom Single detection point.	h through hole willoat position;	ith sealing gaske	t;	Actuation
				Ň

### With 100mm Length + M12 Plug







Removable ring to inverting the float position

#### **Constructive Materials**

PP Polypropylene: Ideal for chemical products. NOT suitable for fuel. PPA Polyphthalamide: Best mechanical and temperature resistance.

Dimensions in millimeters