

# LEVEL SWITCHES

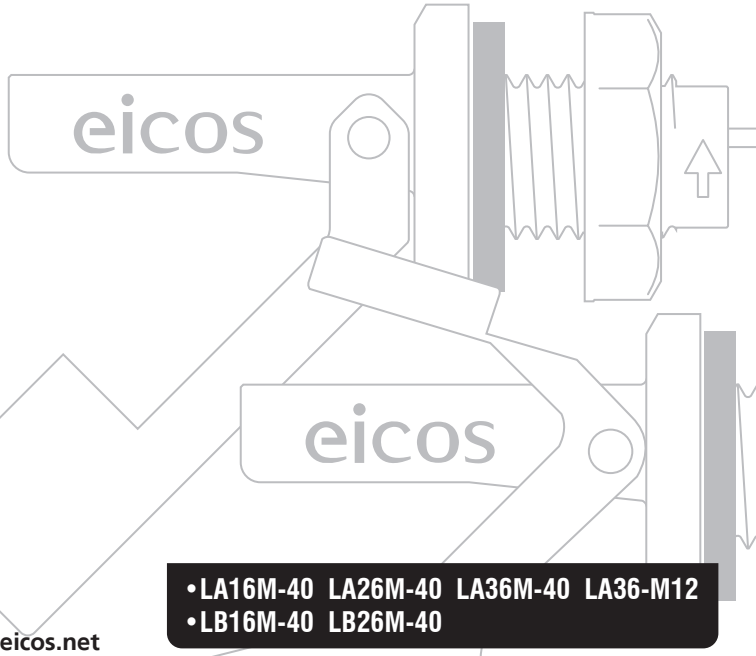
For liquids

# eicos



■ Internal side mounting

Read before installing

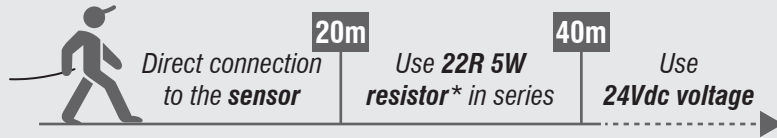


- LA16M-40 LA26M-40 LA36M-40 LA36-M12
- LB16M-40 LB26M-40

eicos.net

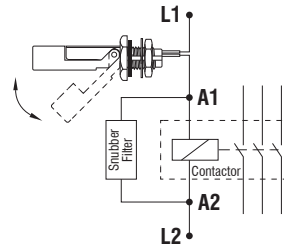
## AUXILIARY CONTACTOR (mini contactor)

Check the distances:



\*For sale on [accessories.eicos.us](http://accessories.eicos.us)

### Typical connection to contactor



Switch **NO/NC - SPST**  
Output **Contact ON/OFF**  
Enclosure rating **IP66**

Never connect the sensor to a motor, pump, lamp or any load over than 20W.

**Always use a contactor or relay.**

>> More examples and wiring diagrams at [datasheets.eicos.us](http://datasheets.eicos.us) <<

### The sensors work in all voltage and current ranges displayed in the table below:

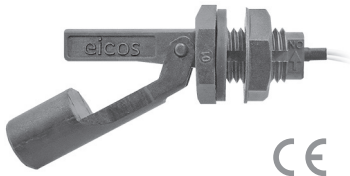
Operating voltage	Max. switching power	Max. switching current	Peak current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

- ! •24Vac: Use with *Schneider relay coupler model RSLZVA1* or equivalent.
- Relay coupler (110Vac-220Vac): Use *4K7 10W resistor* in series.

**Term of Warranty** For installations according to this guide:  
2 (two) years 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.

## In Ø16mm through hole

### Multi-points

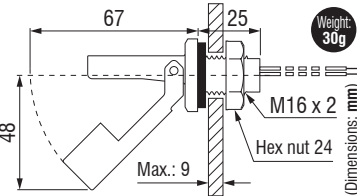
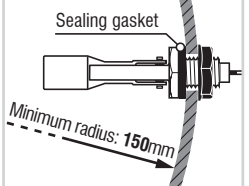


CE

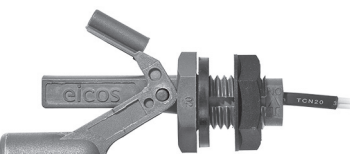
Technical specifications	LA16M-40	LA26M-40	LA36M-40	LA36-M12
Constructive material	POM	PP	PPA	PPA
Color	White	Dark blue	Black	Black
Operating temperature range	-10°C to 100°C	-10°C to 100°C	-10°C to 125°C	-10°C to 125°C
Maximum operating pressure	2bar	2bar	2bar	2bar
Liquid minimum density (SG)	0.76	0.68	0.70	0.70
Sealing	NBR gasket	NBR gasket	NBR gasket	NBR gasket
Output connection	40cm cable	40cm cable	40cm cable	<b>M12 plug</b>

- Electrical contact: Reed Switch 20W/VA;
- Internal mounting in through hole with sealing gasket;
- **NO** or **NC**, by rotating the sensor 180°;
- It detects increased or decreased level inside the tank.

### Mounting inside tank



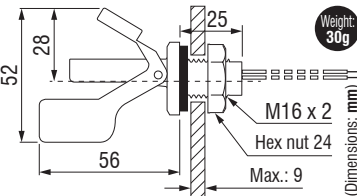
### For surface detection



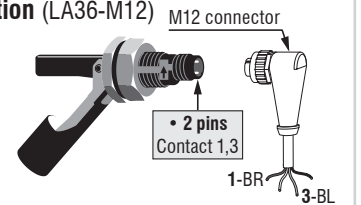
CE

Technical specifications	LB16M-40	LB26M-40
Constructive material	POM	PP
Color	White	Dark blue
Operating temperature range	-10°C to 100°C	-10°C to 100°C
Liquid minimum density (SG)	0.65	0.64
Sealing	NBR gasket	NBR gasket
Output connection	40cm cable	40cm cable

- Electrical contact: Reed Switch 20W/VA;
- For liquids with magnetic particles;
- It works exclusively **NC** to detect maximum level;
- The float is kept away from the body, avoiding the contact of the liquid with the pivot.



### M12 connection (LA36-M12)



### Operation

**NO** Normally Open

**NC** Normally Closed

