

LEVEL SWITCHES

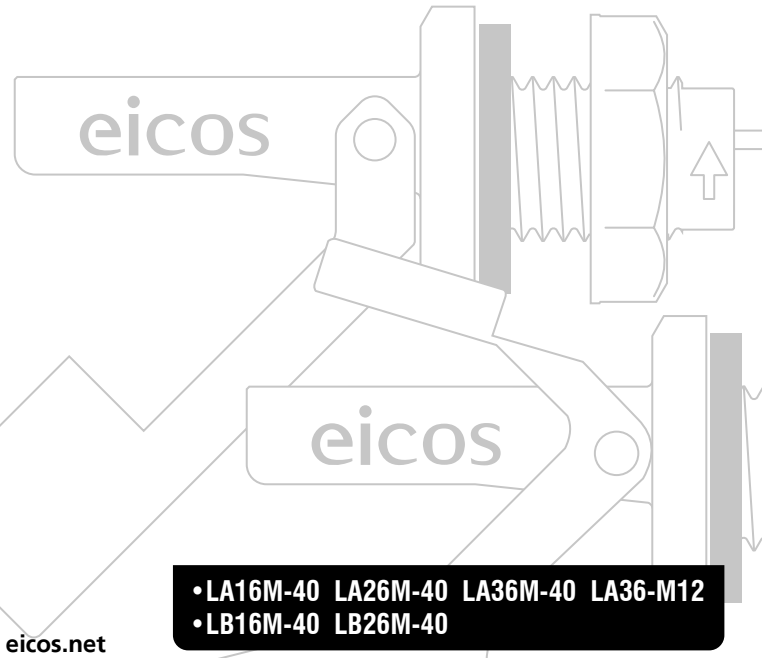
For liquids

eicos



■ Internal side mounting

Read before installing

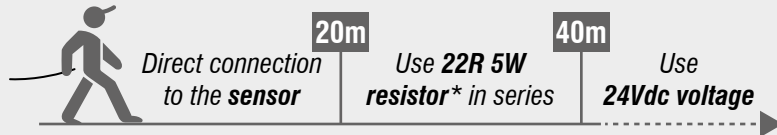


- LA16M-40 LA26M-40 LA36M-40 LA36-M12
- LB16M-40 LB26M-40

eicos.net

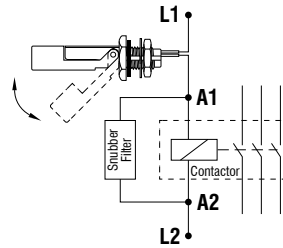
AUXILIARY CONTACTOR (mini contactor)

Check the distances:



*For sale on accessories.eicos.us

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.

• See datasheets.eicos.us for more information •

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.

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.

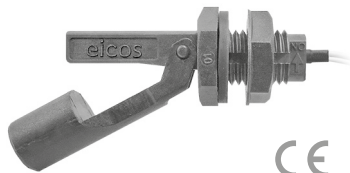
Term of Warranty

Constructive materials

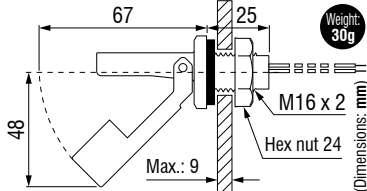
- POM Polyacetel (Ideal for water, fuels and lubricants).
- PP Polypropylene (Ideal for chemical products. NOT suitable for fuel).
- PPA Polyphthalamide (High mechanical and temperature resistance).
- PA Polyamide hex nut

In Ø16mm through hole

Multi-points



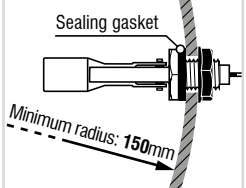
Weight: 30g



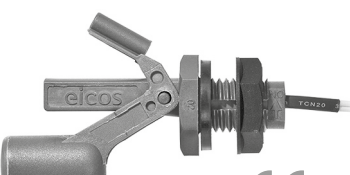
| Technical specifications | LA16M-40 | LA26M-40 | LA36M-40 | LA36-M12 |
|-----------------------------|----------------|----------------|----------------|-----------------|
| Constructive material | POM | PP | PPA | PPA |
| Color | White | Dark blue | Black | Black |
| Operating temperature range | -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 | M12 plug |

- 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.

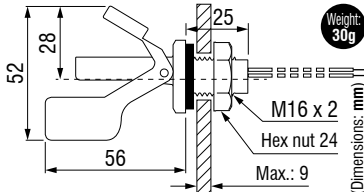
Mounting inside tank



For surface detection



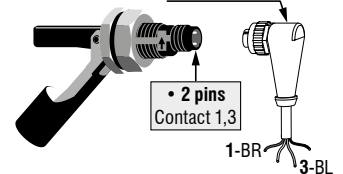
Weight: 30g



| 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

